

# Thermal Protection Solutions™

from A-B Thermal Technology



Insulation and protection materials for  
500°F / 260°C to 5400°F / 2982°C Continuous Exposure



**1: SLEEVE / JACKET**

**2: TAPE / TADPOLE**

**3: ROPE**

**4: FABRIC / CLOTH**

**5: INSULATION**



**6: Abrasion Protection Spiral Wrap**

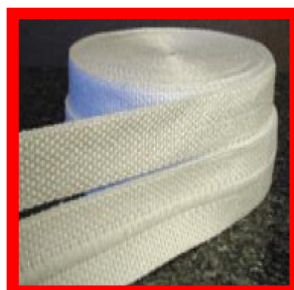
**7: Custom Fabrications**

**8: Silicone Rubber Products**

**9: Fire Retardant Spray**

**Cross Reference Guides**

**Terms & Conditions  
Account Application Form**



**Industrial • Commercial • Marine • Military • Aerospace**  
**Automotive • Bio-Pharma**  
**Metal Processing • Mining • Petro-Chemical**



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*Keeping Our World Cooler™*

## Other Catalogs from AB Technology Group

- **AB Technology Group Master Products Catalog**  
Jan 2010
- **High Temperature Industrial Seals & Gaskets**  
Jan 2010
- **Uncured Silicone Adhesives Sealants & Coatings**  
Jan 2010

### IMPORTANT NOTICE

Before using any product(s), you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

### **Warranty; Limited Remedy; Limited Liability.**

Product will be free from defects in material and manufacture at the time of purchase. **AB Technology Group makes no other warranties including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at AB Technology Group's option, to replace or repair the product or refund the purchase price of the product. **Except where prohibited by law, AB Technology Group will not be liable for any indirect, special, incidental or consequential loss or damage arising from this product, regardless of the legal theory asserted.**



## Protection From:

Heat, Flame, Fire, Molten Splash, Weld Splatter, Grinding & Electrical Sparks, Infrared Radiant Heat, UV, Contamination, Abrasion & Harsh Chemicals

Providing Superior Protection for Hydraulic Hoses & Lines, Cables & Wires, Equipment & Personnel in Harsh and Extreme Environments

### Primary Materials

Fiberglass (Fibreglass) – Nomex – Kevlar - Silica – Ceramic – Alumina - Silicone Rubber - PTFE (Teflon) – Expanded PTFE – EPDM – VITON – Neoprene - Stainless Steel – Inconel – Bronze – Monel - Hastalloy

### Available Coatings

Vermiculite – PTFE (Teflon) – Graphite – Silicone Rubber Elastomer – White Rubber - Acrylic Resin – Oleoresinous Varnish – Silicone Resin (Anti-Fray) - Aluminum & Stainless Steel (Heat Reflecting) Acrylic and Silicone Pressure Sensitive Adhesive (Self Adhesive)

### Finished Products

Sleeve – Tape – Fabric – Rope – Insulation - Seals  
Custom Fabricated Curtains – Blankets – Shields – Covers  
Tadpole Gaskets – Boiler Gaskets  
Ring & Face Gaskets – Slit and Machined Envelope Gaskets  
Silicone Electrical Strip Heaters  
Fire Retardant Fabric Spray  
Intumescent Firestop Paint & Coatings  
General Industrial Gaskets  
General Industrial Sheet Gasket and Packing – Compression Packings  
Custom Fabricated Removable Pipe and Exhaust Insulation Blankets  
Outdoor Non-Metallic Pipe Insulation & Protection Systems

*Products Proudly Made at USA & Canada Plants*

*Depending on the product group, shipping may be from:*  
Watertown, NY   Phoenixville, PA   Atlanta, GA  
Houston, TX   Las Vegas, NV   Toronto, ON

## **Products**

- ✓ **Silicone Rubber Coated Fiberglass High-Temperature Protection Materials**
- ✓ **High Temperature Silicone Rubber Adhesive, Sealant and End-Seal Dip**
- ✓ **Kevlar Protection Sleeve**
- ✓ **Nomex Protection Sleeve**
- ✓ **Very High-Temperature E-Type & S-Type Fiberglass Protection Materials**
- ✓ **Very High-Temperature Vermiculite Coated Protection Materials**
- ✓ **Extreme Temperature Silica Protection Materials**
- ✓ **Very High Temperature Graphite Coated Sleeve and Rope**
- ✓ **Extreme Temperature Plus Ceramic Fiber Protection Materials**
- ✓ **Radiant Heat Reflective Protection Materials**
- ✓ **High Temperature PTFE (Teflon®) Coated Sleeve, Tape, Rope & Fabric**
- ✓ **High Temperature PTFE and ePTFE (Teflon®) Ring and Full Face Gaskets**
- ✓ **High Temperature Slit PTFE (Teflon) Envelope Gaskets: TecPac™, TecBlue™, TecGraph™ Corrugated Steel, Stainless Steel, Neoprene or Viton fillers**
- ✓ **High Temperature Machined PTFE Envelope Gaskets: TecPac, TecBlue, Corrugated Steel, Stainless Steel, Neoprene or Viton fillers**
- ✓ **Abrasion, Wear and Blowout Protection Products for Hoses and Cables**
- ✓ **Stainless Steel Sleeve**
- ✓ **Mesh Rope Seals and Cores**
- ✓ **Very High Temperature & Extreme Temperature Custom Manufactured Blankets, Curtains, Shields & Covers. Welding Curtains, Blankets and pads.**
- ✓ **High Temperature Silicone Rubber Electrical Strip Heaters**
- ✓ **Fire Retardant Fabric Spray**
- ✓ **Intumescent Firestop Paint & Coatings**
- ✓ **General Industrial Gaskets**
- ✓ **General Industrial Sheet Gasket and Packing**
- ✓ **Compression Packings for Valves and Shafts**
- ✓ **Custom Fabricated Removable Pipe and Exhaust Insulation Blankets**
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## Technical Notes

### General

**Molten Metal & Weld Splatter Protection.** Silicone rubber coated materials resist molten metal splash and heavy weld splatter very well, as the molten metal does not stick to the silicone. The silicone rubber also has a high thermal dispersion index, transferring the heat at the contact area very rapidly into the surrounding area – minimizing burn-through. For applications involving only weld splatter, curtains, shields and blankets fabricated from silica materials such as cloth, tapes and ropes provide superior protection to burn-through. Plain Fiberglass materials should not be used for weld splatter burn-through protection, although vermiculite coated fiberglass with additional latex or neoprene coating provides moderate protection for light to medium weld splatter.

**Premium vs. Industrial.** Premium and Industrial products provide the same dimensional values in terms of width, inside diameter, thickness or wall thickness; however, Premium products are fabricated from a higher bulk yarn and with a denser weave. Premium products will weigh more and are stiffer than the Industrial version as a result. Premium can be considered a Heavy Duty version of the Industrial item. Premium tapes coated with Vermiculite will retain their pre-coat thickness better than Industrial versions, as the pinch rollers in the coating and drying process can more easily squeeze the Industrial version tapes.

**Silica vs. Ceramic Fiber.** With almost the same temperature range, Ceramic Fiber offers a harder/stiffer material than Silica in the same form. Ceramic based materials are typically composed of approximately 50% SiO<sub>2</sub> and 50% Al<sub>2</sub>O<sub>3</sub> fibers while Silica based materials are almost 100% SiO<sub>2</sub> fibers. Ceramic based materials have a slightly higher continuous use and slightly higher excursion temperature range. Silica based materials provide burn-through protection from molten metal and weld splatter.

**Silica vs. Silica XT.** Standard silica products are made by starting with a fiberglass base material and then leeching the product to result in a mostly silica composition. Silica XT products are made from amorphous silica yarn, resulting in a stronger product with an enhanced temperature rating and less shrinkage.

**Temperature & Application Ratings.** The temperature ratings listed for these products is the maximum continuous "heat soaked" exposure. The ratings are deliberately conservative so that there will be a buffer to allow for short duration over-temperature conditions without detrimental effect or failure of the material.

For most materials, short duration exposure to considerable higher temperatures is possible. Short duration can be several minutes to an hour, and depends on the particular circumstances and installation. One of the important considerations is "heat soak" – materials with thermal inertia will withstand short-term extended temperature exposure without becoming heat soaked.

Many of our materials meet or can provide compliance to the following: U.S. Coast Guard 164.009, CAN/ULC S102-M, UL 723, ANSI/FM 4950, MIL-I-24244, ASTM E-84, ASTM C 795, ASTM E-136, NFPA 701-1999, NFPA-96, NFPA 255, Mercury Free, ROHS complaint.

**Heat Cleaning / Heat Treating.** Heat Cleaning removes organic content from the fibers (burns them off). Heat Treating is a higher temperature process than Heat Cleaning, which changes the actual crystal structure of the fiber. It improves chemical resistance, anneals some of the stress inside the fiber, and improves the stiffness of the fiber.

**Knitted / Woven.** Knitted products, especially tapes, are more flexible and conformable than the equivalent size in a woven version.

**Heat Reflecting Fiberglass with Aluminum Foil / Aluminum Coated Mylar.** Aluminum foil coated fiberglass can withstand higher temperature exposure than Mylar-aluminum coated fiberglass, but the aluminum foil is subject to mechanical and abrasion breakdown with handling, flexing and vibration. It is well suited for applications such as curtains, equipment covers and exhaust system blankets. The aluminum is calendared onto the fiberglass base fabric along with an adhesive. Aluminum foil coated fiberglass can be used to temperatures up to 1000°F / 537°C, however the adhesive will smoke-off above 475°F.

Mylar is a trade name for polyester. On Fiberglass coated with Mylar-aluminum, the Mylar coating will melt and vaporize at a lower temperature than aluminum foil, but it performs better for applications such as bellows, flexible hose and cable covers, moving aperture shields, festoon covers, etc. where there is repetitive movement or flexing or abrasion. Mylar-aluminum coated fiberglass is typically suited to temperatures up to 440°F / 226°C.

## **Materials**

**PTFE Products.** Polytetrafluoroethylene (PTFE) is a fluorocarbon-based polymer material best known as Teflon®. It is hydrophobic (hates water), biologically inert, non-biodegradable and also has very low friction characteristics. The chemical inertness of PTFE is related to the strength of the fluorine-carbon bond and this is why nothing sticks to PTFE. When stretched, PTFE forms a strong porous material called expanded PTFE (ePTFE) which makes excellent mechanical sealing materials. PTFE offers an excellent temperature range of -200°C to +300°C and is suitable for both cryogenic and high temperature application.

**E-glass and S-glass.** Two types of fiberglass most commonly used are S-glass and E-glass. E-glass has good insulation properties and it will maintain its properties up to 1000°F (815°C) continuous use and for non tensile loaded applications up to 1200°F (648°C). S-glass has a high tensile strength and is stiffer than E-glass, and useable to 1200°F (648°C) continuous and up to 1400° (760°C) for non-tensile loaded applications.

**TecPac™.** TecPac is a compressed sheet, available in 1/64", 1/32", 1/16", 3/32" and 1/8" thick sheets, 60" x 60" square. It is a non-asbestos compressed sheet which has similar properties as asbestos in low temperature applications, and can be used for similar applications. It has anti-stick properties and can be used against gases, water, steam, organic acids, alkalis, aromatic and aliphatic hydrocarbons, oils, greases and refrigerants. Available cut to shape as a filler for slit and machined gaskets.

**TecGraph™.** TecGraph graphite laminate sheet is used for high temperature applications and offers excellent chemical resistance. Available in 1/64", 1/32", 1/16" and 1/8" thick sheets, 39.4" x 39.4" square. Purity is >98%, Ash content is <.5%, Temperature rating of 2500°C.

**TecBlue™.** TecBlue is a blend of polymers and reinforcing materials which provides high compressibility, conformability, heat and chemical resistance. Used in sealing glass-lined equipment in food and chemical processing. Not to be used as a primary gasket material alone – must only be used as a filler. Available in 1/16" and 1/8" thick sheet, 68" x 71" square. Available cut to shape as a filler for slit and machined gaskets.

**EPDM.** Ethylene Propylene. **EPDM rubber (ethylene propylene diene M-class rubber)** is an elastomer which is characterized by wide range of applications. The E refers to Ethylene, P to Propylene, D to diene and M refers to its classification in ASTM standard D-1418. The "M" class includes rubbers having a saturated chain of the polymethylene type. EPDM exhibits satisfactory compatibility with fireproof hydraulic fluids, ketones, hot and cold water, and alkalis, and unsatisfactory compatibility with most oils, gasoline, kerosene, aromatic and aliphatic hydrocarbons, halogenated solvents, and concentrated acids. The main properties of EPDM are its outstanding heat, ozone and weather resistance. The resistance to polar substances and steam are also good. It has excellent electrical properties. It has the ability to retain light colour.

**VITON.** Fluoroelastomer. **Viton** is a brand of synthetic rubber and fluoropolymer elastomer commonly used in O-rings and other moulded or extruded goods. The name is a registered trademark of DuPont Performance Elastomers L.L.C. The fluorine content of the most common Viton grades varies between 66 and 70%.

**Tuff-Flex™ Tacky Cloth.** This fiberglass material is coated with uncured white rubber and must be cured in-situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure. Do not overtorque the material during this curing time or the rubber will be squeezed off of the base material. If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature..

## **A-B Thermal Technologies**

107 Court St., Watertown, NY 13601 USA  
11 Cotton St., Bowmanville, ON L1C 5H3 CANADA

### **Conversions:**

1Metre = 3.28 Feet   1Metre = 1.09 Yards   1 inch = 25.4 mm   1 mm = 0.039 inches

### **NEMA Grades:**

For sleeves that have UL / CSA approval rating, the following NEMA grades are assigned:

<b>NEMA Grades</b>	
<b>Grade</b>	<b>Voltage Rating</b>
A-1	7000* volt average, 5000 volt minimum individual
B-1	4000* volt average, 2500 volt minimum individual
C-1	2500* volt average, 1500 volt minimum individual
C-2	1500* volt average, 800 volt minimum individual
C-3	No dielectric guarantee

Coated sleeving is categorized by the type of coating, base fabric material, dielectric breakdown voltage, temperature index, and inside diameter as follows:

#### **Type 2**

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material which can be shown by applicable experience or accepted test to have a temperature index of 130 (continuous use at 130°C).

#### **Type 3**

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as polyvinyl chloride, which can be shown by applicable experience or accepted test to have a temperature index of 105 (continuous use at 105°C).

#### **Type 4**

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as silicone resin or polytetrafluoroethylene, which can be shown by applicable experience or accepted test to have a temperature index of 200 (continuous use at 200°C).

#### **Type 5**

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as silicone elastomer, which can be shown by experience or accepted test to have a temperature index of 200 (continuous use at 200°C).

#### **Type 6**

A flexible treated sleeving made from inorganic-base yarns such as fibrous glass and impregnated or coated with an insulating material, such as epoxies, polyesters, or acrylics, which can be shown by experience or accepted test to have a temperature index of 155 (continuous use at 155°C).

### **Trademarks**

The following are trademarks of AB Technology Group:


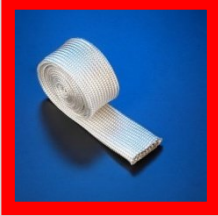



FlameGuard™, DeltaGlass™, Thermal Protection Solutions™, Keeping Our World Cooler™, TecPac™, TecGraph™, GraphTek™, TecBlue™, SnapSleeve™, ZipSleeve™, Scuff-Sleeve™, Tuff-Flex™, Tuff-Wrap™, InSilMax™, InSulMax™, EasyInstall™, FestoonShield™, ThermalShield™, WeaveHold™, SleeveSeal™, HoseSaver™, CableSaver™, ThermaSleeve™, ThermaTape™, ThermaRope™, ThermaTube™, CerMax™, BlackMax™, PowerTorque™, SilverGuard™, GoldGuard™, InfraShield™, ReflecSleeve™, FireFlex™, SplashGuard™


Other trademarks are property of their respective owners.

## Selecting Materials

**Color Coded Pictures to Help You Choose The Correct Product  
for Your Application. Need Help? Expert Advice By Phone or E-mail.**

Technical Assistance: (610) 906-3549 or info@abthermal.com

				
500°F 260°C	1000°F 537°C	1500°F 537°C	2000°F 1093°C	2300°F 1260°C

  
**Photo Boarder Color Shows Continuous Rating  
with higher short exposure**

### Selecting Materials

Selecting materials and designing a protection system can be assisted by understanding the kind of heat in the situation.

**Ambient Heat.** This is the surrounding atmospheric temperature in the area, situation or environment. For example, in an office it might be 70°F, in a firewalk it might be 2000°F.

**Conductive Heat.** This is the heat from direct contact with an object: picking up a hot tray from an industrial oven or kiln at 500°F or the surface of a furnace wall at 1000°F.

**Radiant Heat.** Objects like the Sun, or fire, or molten metal streams, glowing slabs or billets of metal radiate heat waves, which can travel through space or air or objects, and is absorbed by people or other objects. A great example is that it feels cooler standing in shade on a hot day as the shade blocks the radiant heat waves from the sun.

**Molten Metal Splash or Weld Splatter.** Materials with high temperature silicone rubber coating provide excellent protection from molten metal splash and weld splatter as the splash/splatter does not stick to the silicone. As well, the silicone has a high thermal dispersion, quickly dissipating the heat and preventing burn-through. The heavier or larger the splash/splatter then the heavier grade of silicone coated material should be selected.

**Products & Applications:** Our High Temperature Protection Materials have wide ranging application in industry, aviation, marine and military markets. They are most commonly used in steel making, metal processing & refining, smelting, foundries, robotic welding, heat treating, steam plants, power plants (fossil and nuclear), engine and vehicle manufacturing, tire and glass manufacturing, brick & tile manufacturing, petrochemical refining, etc. In fact, any industry with a hot process, boiler, oven or kiln can use our products. It is the customers' responsibility to ensure the suitability of products to applications.

## How To Order

**Pricing:** Prices shown are \$USD and may be subject to change without notice. Orders in other currencies may be accepted by quotation.

**Accounts:** Please complete our Account Application Form (available at the rear of this catalog or on web-site) and return the form along with your standard credit reference sheet. Account application processing can take 2 to 3 business days.

**New Customers:** New customers may order immediately by paying via credit card, PayPal, bank wire transfer or Interac bank transfer. We accept Visa & MasterCard payments by phone, fax and e-mail. American Express & Discover cards are processed through PayPal's Electronic Invoice system; where we send you an electronic invoice that you pay on-line.

**Purchase Orders:** Purchase orders from established customers may be submitted verbally, by fax or by e-mail. Your PO will be acknowledged with an expected shipping date.

**Verbal Orders:** Call 610-906-3549. Customers accept responsibility for errors on verbal orders not confirmed by an e-mail or fax confirmation.

**Minimum Order Value and Minimum Order Quantity:** Minimum order value is \$25.00. Some products may have a *Minimum Order Quantity* (MOQ) such as a full spool, full coil, full carton, etc. If an order for a particular item is less than the minimum order value, then a surcharge may be applied to bring the order up to the \$25.00 minimum order value.

**Most Orders Shipped Same Day:** The vast majority of products are always in stock and can ship same day providing you order on-line, by fax or call by 11 AM EST. Fabricated items require more time – please call for a fabrication quote. Tadpole Tapes, Sleeve with Velcro and Welding Curtains can typically be produced in 2 to 4 days, however it can run 5 to 10 business days for large orders or if we are particularly busy. Other fabrications with complex shapes can take up to 15 business days. Please call for an estimate.

**Shipping:** Unless otherwise specified, orders will be shipped UPS ground, prepaid and billed or collect on your account. Other carriers such as FedEx and USPS are available. For Dealers or Distributors, Blind or Drop shipping to your customer is available – please specify on your PO if you will be providing a Packing List and send it to us ASAP. We can also use your carrier and account if you prefer.

**Customer Service Excellence:** We are focused on customer service; your assurance of the correct product, quality checked & delivered on-time. All products are RoHS compliant.

### A-B Thermal Technologies

USA: 107 Court St., Watertown, NY 13601

CANADA: 11 Cotton Street., Bowmanville, ON L1C 5H3





# Sleeve / Jacket

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**Also see Abrasion Protection Spiral Wrap in Section 6**

# High Temperature, Heat, Flame, Fire, Molten Metal & Weld Splatter Protection Materials

Fax Orders: 610-340-9054

Telephone Orders: 610-906-3549

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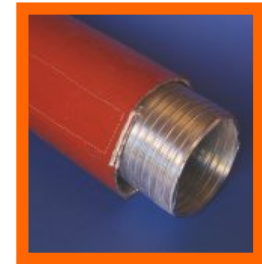
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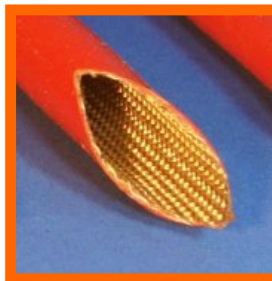
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## 500°F / 260°C: High Temperature, Heat & Flame Resistant Firesleeve Industrial & Heavy Duty: *Silicone Rubber Coated Fiberglass Sleeve*



FlameGuard™ firesleeve is the standard protection for hoses and cables in harsh environments. Utilized in most industries with any hot process, liquid metal or welding operations to protect assets and prevent failures, prolonging the life of critical hoses, wires and cables, and reducing unexpected shutdowns.

The Heavy Duty version sleeve is also used to cover water-cooled high current EAF cables and cooling water hoses at metal processing plants due to the excellent molten metal splash and slag protection. Both Industrial and Heavy Duty sleeve are extremely flexible, pliable and conformable.

Also an excellent cold temperature sleeve with flexibility to -76°C.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

### FlameGuard™ High Temperature Firesleeve: Industrial grade and Heavy Duty grade

Nominal ID Inches / mm / Dash #			Industrial Grade Part Number	Price per Foot	Price per Metre	Heavy Duty Grade Part Number	Price per Foot	Price per Metre
1/4	6	-04	S-FS-M006-04	\$ 2.88	\$ 9.45	S-FSHD-M006-04-X	\$ 3.22	\$ 10.56
3/8	10	-06	S-FS-M010-06	\$ 3.14	\$ 10.30	S-FSHD-M010-06-X	\$ 3.51	\$ 11.51
1/2	13	-08	S-FS-M013-08	\$ 3.82	\$ 12.53	S-FSHD-M013-08-X	\$ 4.20	\$ 13.78
5/8	16	-10	S-FS-M016-10	\$ 4.17	\$ 13.68	S-FSHD-M016-10-X	\$ 4.67	\$ 15.32
3/4	19	-12	S-FS-M019-12	\$ 4.77	\$ 15.65	S-FSHD-M019-12-X	\$ 5.34	\$ 17.52
7/8	22	-14	S-FS-M022-14	\$ 5.65	\$ 18.53	S-FSHD-M022-14-X	\$ 6.33	\$ 20.76
1	25	-16	S-FS-M025-16	\$ 6.42	\$ 21.06	S-FSHD-M025-16-X	\$ 7.19	\$ 23.58
1 1/8	29	-18	S-FS-M029-18	\$ 7.25	\$ 23.78	S-FSHD-M029-18-X	\$ 8.12	\$ 26.63
1 1/4	32	-20	S-FS-M032-20	\$ 7.76	\$ 25.45	S-FSHD-M032-20-X	\$ 8.68	\$ 28.47
1 3/8	35	-22	S-FS-M035-22	\$ 7.81	\$ 25.62	S-FSHD-M035-22-X	\$ 8.75	\$ 28.70
1 1/2	38	-24	S-FS-M038-24	\$ 8.04	\$ 26.37	S-FSHD-M038-24-X	\$ 9.01	\$ 29.55
1 5/8	41	-26	S-FS-M041-26	\$ 8.17	\$ 26.80	S-FSHD-M041-26-X	\$ 9.14	\$ 29.98
1 3/4	44	-28	S-FS-M044-28	\$ 10.43	\$ 34.21	S-FSHD-M044-28-X	\$ 11.68	\$ 38.31
1 7/8	48	-30	S-FS-M048-30	\$ 11.50	\$ 37.72	S-FSHD-M048-30-X	\$ 13.63	\$ 44.71
2	51	-32	S-FS-M051-32	\$ 12.18	\$ 39.95	S-FSHD-M051-32-X	\$ 16.23	\$ 53.23
2 1/4	57	-36	S-FS-M057-36	\$ 14.49	\$ 47.53	S-FSHD-M057-36	\$ 18.67	\$ 61.24
2 1/2	64	-40	S-FS-M064-40	\$ 18.83	\$ 61.76	S-FSHD-M064-40	\$ 21.10	\$ 69.21
2 5/8	67	-42	S-FS-M067-42	\$ 21.45	\$ 70.36	S-FSHD-M067-42	\$ 23.87	\$ 78.29
2 3/4	70	-44	S-FS-M070-44	\$ 24.11	\$ 79.08	S-FSHD-M070-44	\$ 24.45	\$ 80.20
2 7/8	73	-46	S-FS-M073-46	\$ 25.91	\$ 84.98	S-FSHD-M073-46	\$ 29.24	\$ 95.91
3	76	-48	S-FS-M076-48	\$ 27.21	\$ 89.25	S-FSHD-M076-48	\$ 29.98	\$ 98.33
3 1/4	83	-52	S-FS-M083-52	\$ 29.14	\$ 95.58	S-FSHD-M083-52	\$ 30.17	\$ 98.96
3 1/2	89	-56	S-FS-M089-56	\$ 31.26	\$ 102.53	S-FSHD-M089-56	\$ 31.94	\$ 104.76
3 3/4	95	-60	S-FS-M095-60	\$ 32.34	\$ 106.08	S-FSHD-M095-60	\$ 32.63	\$ 107.03
4	102	-64	S-FS-M102-64	\$ 32.65	\$ 107.09	S-FSHD-M102-64	\$ 33.83	\$ 110.96
4 1/2	114	-72	S-FS-M114-72	\$ 44.24	\$ 145.11			
5	127	-80	S-FS-M127-80	\$ 47.92	\$ 157.18			

For the "-X" value above in the part number  
use "-OR" for Oxide-Red or "-BK" for Black

Industrial Grade firesleeve is fabricated from a E-type glass yarn that is **knitted** and the Heavy Duty Grade is fabricated from a dense E-type yarn that is **braided**. Both the knitted and braided firesleeve receive a thick coating of self-extinguishing silicone rubber that withstands liquid metal splash, flame, slag, sparks, and other hazards in the toughest of environments. Standard lengths are 100 feet; specific cut lengths are available. Standard colors are Oxide-Red in all sizes for both Industrial and Heavy Duty Grades, and Black is available in sizes from -04 through -32 in Heavy Duty Grade. Other colors may be available or can be ordered in lot quantity. Post manufacturing sleeve coloring is available by quotation (using our ABST-LP-1 silicone rubber paint).

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths  
Larger diameters may also be available in 50 foot / 15 metre lengths**



## 500°F / 260°C: High Temperature, Heat & Flame Resistant Firesleeve

### Aviation / Aerospace / Marine Grade: Meets SAE AS1072

#### Silicone Rubber Coated Fiberglass Sleeve



FlameGuard™ Aviation / Aerospace / Marine grade firesleeve allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 15 minute FAA "Fireproof" rating when assembled according to SAE AS1072.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables.

Firesleeve must be cut to the same length or longer than the hose or cable it is covering. The longer the hose or cable, and if tight fitting, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used for aviation and marine applications.

**500°F / 260°C continuous rating, 2200°F / 1205°C for periods up to 15 minutes  
 and short excursions to 3000°F / 1650°C.**

FlameGuard™ High Temperature AS 1072 Aerospace / Marine Grade Firesleeve					
Nominal ID Inches / mm / Dash #			Aerospace / Marine Grade Part Number	Price per Foot	Price per Metre
1/4	6	-04	S-AS1072-M006-04-X	\$ 3.54	\$ 11.61
3/8	10	-06	S-AS1072-M010-06-X	\$ 3.86	\$ 12.66
1/2	13	-08	S-AS1072-M013-08-X	\$ 4.62	\$ 15.15
5/8	16	-10	S-AS1072-M016-10-X	\$ 5.13	\$ 16.83
3/4	19	-12	S-AS1072-M019-12-X	\$ 5.87	\$ 19.25
7/8	22	-14	S-AS1072-M022-14-X	\$ 6.96	\$ 22.83
1	25	-16	S-AS1072-M025-16-X	\$ 7.90	\$ 25.91
1 1/8	29	-18	S-AS1072-M029-18-X	\$ 8.93	\$ 29.29
1 1/4	32	-20	S-AS1072-M032-20-X	\$ 9.55	\$ 31.32
1 3/8	35	-22	S-AS1072-M035-22-X	\$ 9.63	\$ 31.59
1 1/2	38	-24	S-AS1072-M038-24-X	\$ 9.90	\$ 32.47
1 5/8	41	-26	S-AS1072-M041-26-X	\$ 10.05	\$ 32.96
1 3/4	44	-28	S-AS1072-M044-28-X	\$ 12.85	\$ 42.15
1 7/8	48	-30	S-AS1072-M048-30-X	\$ 14.99	\$ 49.17
2	51	-32	S-AS1072-M051-32-X	\$ 17.85	\$ 58.55
2 1/4	57	-36	S-AS1072-M057-36	\$ 20.54	\$ 67.37
2 1/2	64	-40	S-AS1072-M064-40	\$ 23.21	\$ 76.13
2 5/8	67	-42	S-AS1072-M067-42	\$ 26.26	\$ 86.13
2 3/4	70	-44	S-AS1072-M070-44	\$ 26.89	\$ 88.20
2 7/8	73	-46	S-AS1072-M073-46	\$ 30.56	\$ 100.24
3	76	-48	S-AS1072-M076-48	\$ 32.39	\$ 106.24
3 1/4	83	-52	S-AS1072-M083-52	\$ 32.91	\$ 107.95
3 1/2	89	-56	S-AS1072-M089-56	\$ 35.13	\$ 115.23
3 3/4	95	-60	S-AS1072-M095-60	\$ 35.89	\$ 117.72
4	102	-64	S-AS1072-M102-64	\$ 37.21	\$ 122.05

For the "-X" value above in the part number, use "-OR" for Oxide-Red or "-BK" for Black

AS1072 Aerospace grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red in all sizes and Black is available in sizes -04 through -32.

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths**

## Sleeve & Firesleeve Accessories:

### End Seal Dip / End Wrap Tape / Clamps / Clamp Tools



#### SleeveSeal™

##### **End Seal Dip – Liquid Silicone Rubber**

The ends of firesleeve can be sealed against the absorption of liquids by dipping the end in this liquid silicone rubber end dip sealant. Available in any color: Oxide-Red and Black are the most common. Becomes tack free in 60 minutes and cures fully in 8 hours. 500°F / 260°C rating. Non-hazardous to ship and may be thinned with odourless mineral spirits (xylene).

- 4 oz Mini which can accommodate sleeve up to 1 ¾" ID.  
P/N US-ESD-04-XX \$ 15.61
- 16 oz standard wide-mouth jar which can accommodate sleeve up to 3 ¼" ID.  
P/N US-ESD-16-XX \$ 43.47
- 1 gallon jug. P/N US-ESD-128-XX \$ 229.32  
5 gallon pail. P/N US-ESD-640-XX \$ 988.40.  
Larger bulk quantities are available.
- XX = "OR" for oxide-red or "BLK" for black.

#### SleeveSeal™

##### **End Seal Paste – Silicone Rubber RTV**

This sealing paste can be used on firesleeve to prevent the absorption of liquids. Available in any color: Oxide-Red and Black are the most common. Cures in 24 hours at room temperature. 500°F / 260°C rating. Non-hazardous to ship.

Available in two sizes:

- 3 oz squeeze tube. P/N US-ESP-03-XX \$ 15.61
- 10.3 oz cartridge. P/N US-ESP-10-XX \$ 33.47
- XX = "OR" for oxide-red or "BLK" for black.

### FlameGuard™ End Wrap Tape – Silicone Rubber Self Fusing / Self Amalgamating



FlameGuard™ end wrap tape is a unique adhesive-free tape which self-fuses / self-bonds when wrapped over itself, providing an excellent water-tight and air-tight seal. Leaves no residue when removed. Typically used to protect the free ends of firesleeve from wicking liquids once installed on hoses or cables. Triangular profile results in a smooth surface when spiral wrapped.

Our most popular end wrap sealing tapes:

- 1" wide tape, 36 feet long.  
\$33.80 Oxide-Red or Black  
P/N T-SRET-M025-16-TOR for red  
P/N T-SRET-M025-16-TBK for black
- 1.5" wide tape, 36 feet long  
\$48.77 Oxide-Red only  
P/N T-SRET-M038-24-ROR

This tape is also available certified to AA-59163 and Mil-I-46852C. Batch Certificate of Conformity available at no charge. (add \$6.00 for roll specific testing Certificate of Conformity). Reinforced version meeting Mil-I-22444 available. See page 2-4 for more of these tapes.

This tape is available meeting several NSN numbers including: 5970009494846, 5970009559976



### ***Clamps – Preformed Twice-Around Stainless Steel***

Preformed Stainless Steel Twice-Around clamps are the strongest clamps available. The Firesleeve Clamp Tool is recommended for closing and locking these clamps. Clamp width is .25". Made of 304 Stainless Steel.

Available in 3 sizes:

- C-SSTA-14 for sleeve up to 7/8" ID. \$3.16 each
- C-SSTA-24 for sleeve up to 1 1/2" ID. \$3.40 each
- C-SSTA-32 for sleeve up to 2" ID. \$3.82 each

### ***Clamps – Free End Stainless Steel Self Locking***

These stainless steel clamps are self locking and can be closed with common hand tools such as standard or needle nose pliers. A tighter clamping can be achieved with the Firesleeve Clamp Tools. Available in two widths: .181" (tensile 96 lbs) and .311" (tensile 242 lbs). Four lengths are available in each width. (The Firesleeve Clamp Tool requires 3.25" of clamp free end).

Available Sizes:

- C-SSSL-WM005-LXX. .181" / 5mm width. 6" \$1.21, 8" \$1.39, 14" \$1.59, 20" \$2.11
- C-SSSL-WM008-LXX. .311" / 8mm width. 8" \$1.59, 14" \$2.29, 20" \$3.87

For the "XX" value in the part number use the clamp length: 06, 08, 14 or 20 inches



### ***Firesleeve Clamp Tool***

This Firesleeve Clamp Tool aids in the tightening of either style of clamp. Has a built-in handles for the winder and cutter or a standard 1/2" wrench can be used for additional torque on the winder. The tool requires 4.5" of clamp free end for the winder to be properly loaded.

- C-FCT-1 is \$34.61



Using FlameGuard™ tape over the clamp makes for a neat and clean installation that prevents contamination of the sleeve end.

## 500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure:

### Small Diameter



FlameGuard™ EasyInstall™ High Temperature sleeve with Velcro hook and loop closure is a heavy duty sleeve perfect for protecting industrial hose and cable, but with the benefits of being installed & removed as required without disconnecting the hose, cable or wire.

Typical applications are for Electric Arc Furnace cable cover, robotic welding cable protection, steel mill roll-stand hydraulic hose protection, steel mill cooling water hose protection or as a cover in extreme environments where serviceability is required.

The Velcro closure remains inside of the sleeve and is protected by the fabric overlap. Standard thread used is a high temperature e-fiberglass.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

<b>FlameGuard™ High Temperature Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure – Small Diameter</b>						
<b>Nominal ID inches / mm / Dash #</b>			<b>Part Number</b>	<b>Velcro Width, inches</b>	<b>Price per Foot</b>	<b>Price per Metre</b>
1/2	13	-08	S-FSVC-M013-08-X	1/2	\$ 14.56	\$ 47.76
3/4	19	-12	S-FSVC-M019-12-X	1/2	\$ 17.34	\$ 56.88
1	25	-16	S-FSVC-M025-16-X	5/8	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FSVC-M032-20-X	5/8	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FSVC-M038-24-X	3/4	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FSVC-M044-28-X	3/4	\$ 26.77	\$ 87.81
2	51	-32	S-FSVC-M051-32-X	3/4	\$ 29.21	\$ 95.81
2 1/4	57	-36	S-FSVC-M057-36-X	3/4	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FSVC-M064-40-X	3/4	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FSVC-M070-44-X	3/4	\$ 35.80	\$ 117.42
3	76	-48	S-FSVC-M076-48-X	1	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FSVC-M083-52-X	1	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FSVC-M089-56-X	1	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FSVC-M095-60-X	1	\$ 44.51	\$ 145.99
4	102	-64	S-FSVC-M102-64-X	1	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FSVC-M108-68-X	1	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FSVC-M114-72-X	1	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FSVC-M121-76-X	1	\$ 55.17	\$ 180.96
5	127	-80	S-FSVC-M127-80-X	1	\$ 57.54	\$ 188.73

Available in continuous lengths up to 100 feet for up to 3.5" I.D. 150 feet for larger I.D.s.  
When ordering, for the "X" value substitute "WS" for serged edges and "NS" for not serged edges.  
Customer may specify a Velcro width other than standard if desired (except for 1/2 and 3/4" sleeve).

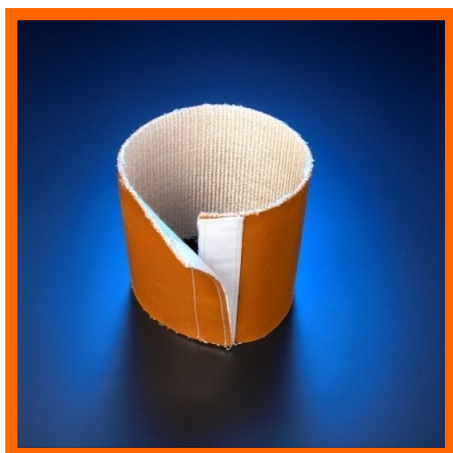
This is a custom fabrication item – please allow 3 to 10 business days from date of order. Contact us to determine the specific production time for your order.

This product is fabricated from braided substrate fabric (for sizes up to and including 3.5" I.D.) and woven substrate fabric for larger sizes (greater than 3.5" I.D.). For both base materials the long edge of the sleeve has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration. For customers requiring a cleaner edge, serged edges (overlock sewn) can be supplied at an additional \$2.75 per foot (both edges overlocked-serged).

**This Product is Available By-The-Foot / Metre**



## 500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure: Large Diameter



FlameGuard™ EasyInstall™ High Temperature sleeve with Velcro closure is a heavy duty sleeve perfect for protecting industrial hose and cable, but with the benefits of being installed & removed as required without disconnecting the hose, cable or wire. Typical applications are as an Electric Arc Furnace cable cover, robotic welding cable protection, steel mill roll-stand hydraulic hose protection, steel mill cooling water hose protection or as a cover in extreme environments where serviceability is required.

The Velcro closure remains inside of the sleeve and is protected by the fabric overlap. The thread used is a high temperature Kevlar. Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
 2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameGuard™ High Temperature Sleeve with Velcro Closure: Large Diameter						
Nominal ID inches / mm / Dash #			Part Number	Velcro Width, inches	Price per Foot	Price per Metre
5 1/4	133	-84	S-FSVC-M133-84-X	1.5	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FSVC-M140-88-X	1.5	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FSVC-M146-92-X	1.5	\$ 63.94	\$ 209.72
6	152	-96	S-FSVC-M152-96-X	1.5	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FSVC-M159-100-X	1.5	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FSVC-M165-104-X	1.5	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FSVC-M171-108-X	1.5	\$ 72.74	\$ 238.59
7	178	-112	S-FSVC-M178-112-X	1.5	\$ 74.97	\$ 245.90
7 1/4	184	-116	S-FSVC-M184-116-X	1.5	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FSVC-M191-120-X	1.5	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FSVC-M197-124-X	1.5	\$ 81.77	\$ 268.21
8	203	-128	S-FSVC-M203-128-X	2	\$ 83.69	\$ 274.50
8 1/4	210	-132	S-FSVC-M210-132-X	2	\$ 86.26	\$ 282.93
8 1/2	216	-136	S-FSVC-M216-136-X	2	\$ 88.43	\$ 290.05
8 3/4	222	-140	S-FSVC-M222-140-X	2	\$ 90.23	\$ 295.95
9	229	-144	S-FSVC-M229-144-X	2	\$ 92.57	\$ 303.63
9 1/4	235	-148	S-FSVC-M235-148-X	2	\$ 94.49	\$ 309.93
9 1/2	241	-152	S-FSVC-M241-152-X	2	\$ 97.20	\$ 318.82
9 3/4	248	-156	S-FSVC-M248-156-X	2	\$ 99.37	\$ 325.93
10	254	-160	S-FSVC-M254-160-X	2	\$ 101.66	\$ 333.45
10 1/4	260	-164	S-FSVC-M260-164-X	2	\$ 104.00	\$ 341.12
10 1/2	267	-168	S-FSVC-M267-168-X	2	\$ 105.60	\$ 346.37
10 3/4	273	-172	S-FSVC-M273-172-X	2	\$ 113.31	\$ 371.66
11	279	-176	S-FSVC-M279-176-X	2	\$ 115.66	\$ 379.36
11 1/4	286	-180	S-FSVC-M286-180-X	2	\$ 118.51	\$ 388.71
11 1/2	292	-184	S-FSVC-M292-184-X	2	\$ 122.37	\$ 401.37
11 3/4	298	-188	S-FSVC-M298-188-X	2	\$ 126.22	\$ 414.01
12	305	-192	S-FSVC-M305-192-X	1.5	\$ 129.41	\$ 424.46

Available in continuous lengths up to 150 feet.

When ordering, for the "X" value substitute "WS" for serged edges and "NS" for not serged edges.

This is a custom fabrication item – please allow 3 to 10 business days from date of order. Contact us to determine the specific production time for your order. This product is fabricated from woven substrate fabric for sizes greater than 3.5" I.D. The edge of the fabric has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration. For customers requiring a cleaner edge, serged (overlock sewn) edges can be supplied at an additional \$2.75 per foot (both edges).

**This Product is Available By The Foot / Metre**



## 500°F / 260°C: SnapSleeve™ : High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Snap Closures: *Heavy Duty Removable Molten Splash Protection*



This heavy duty silicone rubber coated fibreglass sleeve with snap style closures protects industrial wire, cable and hose with the benefits of being installed & removed as required. Typical applications are as robotic welding cable protection, steel mill roll-stand hydraulic hose protection or as a cover in extreme environments where serviceability is required. This is a custom fabrication item – please allow 3 to 10 business days from date of order. Available in continuous lengths up to 150 feet.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

SnapSleeve™					
Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number	Price Per Foot	Price Per Metre
1	25	-16	S-FSSC-M025-16	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FSSC-M032-20	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FSSC-M038-24	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FSSC-M044-28	\$ 26.77	\$ 87.81
2	51	-32	S-FSSC-M051-32	\$ 29.00	\$ 95.12
2 1/4	57	-36	S-FSSC-M057-36	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FSSC-M064-40	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FSSC-M070-44	\$ 35.80	\$ 117.42
3	76	-48	S-FSSC-M076-48	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FSSC-M083-52	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FSSC-M089-56	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FSSC-M095-60	\$ 44.51	\$ 145.99
4	102	-64	S-FSSC-M102-64	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FSSC-M108-68	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FSSC-M114-72	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FSSC-M121-76	\$ 55.17	\$ 180.96
5	127	-80	S-FSSC-M127-80	\$ 57.54	\$ 188.73
5 1/4	133	-84	S-FSSC-M133-84	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FSSC-M140-88	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FSSC-M146-92	\$ 63.94	\$ 209.72
6	152	-96	S-FSSC-M152-96	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FSSC-M159-100	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FSSC-M165-104	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FSSC-M171-108	\$ 72.74	\$ 238.59
7	178	-112	S-FSSC-M178-112	\$ 74.97	\$ 245.90
7 1/4	184	-116	S-FSSC-M184-116	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FSSC-M191-120	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FSSC-M197-124	\$ 81.77	\$ 268.21
8	203	-128	S-FSSC-M203-128	\$ 83.69	\$ 274.50
8 1/4	210	-132	S-FSSC-M210-132	\$ 86.26	\$ 282.93
8 1/2	216	-136	S-FSSC-M216-136	\$ 88.43	\$ 290.05
8 3/4	222	-140	S-FSSC-M222-140	\$ 90.23	\$ 295.95
9	229	-144	S-FSSC-M229-144	\$ 92.57	\$ 303.63

**This Product is Available By-The-Foot / Metre**

## 500°F / 260°C: ZipSleeve™ : High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Zipper Closures: Heavy Duty Removable Molten Splash Protection



This heavy duty silicone rubber coated fiberglass sleeve with high temperature zipper closures protects industrial wire, cable and hose with the benefits of being installed & removed as required. Typical applications are as robotic welding cable protection, steel mill roll-stand hydraulic hose protection or as a cover in extreme environments where serviceability is required. The zipper is made from high temperature nomex and has a higher temperature capability than our sleeves with Velcro. This is a custom fabrication item – please allow 3 to 10 business days from date of order. Available in continuous lengths up to 150 feet. 500°F / 260°C continuous rating with weld splatter / molten metal splash protection

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

**500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
 2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.**

ZipSleeve™ Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number	Price Per Foot	Price Per Metre
1	25	-16	S-FSZC-M025-16	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FSZC-M032-20	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FSZC-M038-24	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FSZC-M044-28	\$ 26.77	\$ 87.81
2	51	-32	S-FSZC-M051-32	\$ 29.00	\$ 95.12
2 1/4	57	-36	S-FSZC-M057-36	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FSZC-M064-40	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FSZC-M070-44	\$ 35.80	\$ 117.42
3	76	-48	S-FSZC-M076-48	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FSZC-M083-52	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FSZC-M089-56	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FSZC-M095-60	\$ 44.51	\$ 145.99
4	102	-64	S-FSZC-M102-64	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FSZC-M108-68	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FSZC-M114-72	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FSZC-M121-76	\$ 55.17	\$ 180.96
5	127	-80	S-FSZC-M127-80	\$ 57.54	\$ 188.73
5 1/4	133	-84	S-FSZC-M133-84	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FSZC-M140-88	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FSZC-M146-92	\$ 63.94	\$ 209.72
6	152	-96	S-FSZC-M152-96	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FSZC-M159-100	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FSZC-M165-104	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FSZC-M171-108	\$ 72.74	\$ 238.59
7	178	-112	S-FSZC-M178-112	\$ 74.97	\$ 245.90
7 1/4	184	-116	S-FSZC-M184-116	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FSZC-M191-120	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FSZC-M197-124	\$ 81.77	\$ 268.21
8	203	-128	S-FSZC-M203-128	\$ 83.69	\$ 274.50
8 1/4	210	-132	S-FSZC-M210-132	\$ 86.26	\$ 282.93
8 1/2	216	-136	S-FSZC-M216-136	\$ 88.43	\$ 290.05
8 3/4	222	-140	S-FSZC-M222-140	\$ 90.23	\$ 295.95
9	229	-144	S-FSZC-M229-144	\$ 92.57	\$ 303.63

**This Product is Available By-The-Foot / Metre**

## 464°F / 240°C: High Temperature, Heat & Flame Resistant Small Diameter / Thin Wall Sleeve:

### Silicone Rubber Coated Fiberglass Sleeve with UL/CSA rating & NEMA Grade A



Designed as a primary insulation sleeve for protecting small diameter wire, cable, lines, hose, and pipe from high temperature, flame and environmental contamination. Recognized by UL / CSA for 240°C, 600V service, and complies with VW-1 flammability requirements. Conforms to, and is listed on the QPL for MIL-I-3190/9. NEMA Grade A Classified.

Extremely flexible and easily installed. Used in electrical apparatus as a primary or secondary wiring insulation.

The inner braid is very fine and dense, and along with the precision silicone rubber coating, this is the most flexible sleeve we have available for wire, cable and hose protection.

### 464°F / 240°C continuous rating with weld splatter / molten metal splash protection

Available in all standard AWG wire sizes (see page 1-37): Available Colors are Oxide-Red and Black

<u>Property</u>	<u>Procedure</u>	<u>Performance</u>
<b>Physical</b>		
Tensile Strength, Coating	ASTM-D412	1600 psi
Ultimate Elongation, Coating	ASTM-D412	800% @ 20°C
Hardness, Coating	ASTM-D2240	54 (Durometer, Shore A)
Flexibility & Toughness, Coating	UL 1441	Passes Penetration Test
<b>Chemical</b>		
Oil & Solvent Resistance	MIL-I-3190/9	Passes
Water Vapour Resistance	MIL-I-3190/9	Passes
Resistance to Acids and Alkalis	-	Excellent
Resistance to Weathering	-	Unaffected by sunlight and weather
Compatibility	UL 1446	Good. Compatible with most potting compounds and varnishes
<b>Electrical</b>		
Dielectric Strength:		
after 48/23/50, Grade A	NEMA TF-1	8000V min avg., 6000v min individual
after 96/23/96, Grade A	NEMA TF-1	80% of Original Value
Hydrostatic Stability after 336 hrs @ 70°C over Constant Water Reflex	MIL-I-3190/9	Passes 7660V min avg with no disintegration, reversion or cracks (spec 5000V)
<b>Thermal</b>		
Thermal Endurance	MIL-I-3190/9 & UL 1441	Class 240°C (S)
Brittleness Temperature	ASTM-D350	-80°C
Flame Resistance	UL 1441	Passes (VW-1)
	ASTM-D350, Method A	Passes
	NEMA TF-1	Passes
	MIL-I-3190/9, Method A	Passes
Pushback	MIL-I-3190/9	No cracks or ruptures, 6000V min avg breakdown strength

## High Temperature, Heat & Flame Resistant Small Diameter / NEMA Wall Thickness Sleeve

*Primary Insulation Silicone Rubber Coated Fiberglass Sleeve for Wire Protection, with UL/CSA approval rating and NEMA Grade A classified*

High Temperature - Small Diameter – NEMA Wall Thickness Sleeve Silicone Rubber Coated Fiberglass Sleeve with UL/CSA rating and NEMA Grade A Classification						
Part Number	Nominal ID AWG / Inches / mm / -dash				Feet per Coil	Price per Spool
S-FSSD-AWG24-X	24	0.022	0.56		500*	\$ 488.05
S-FSSD-AWG22-X	22	0.027	0.69		500*	\$ 490.17
S-FSSD-AWG20-X	20	0.034	0.86		500*	\$ 505.01
S-FSSD-AWG19-X	19	0.038	0.96		500*	\$ 510.02
S-FSSD-AWG18-X	18	0.042	1.07		500*	\$ 525.65
S-FSSD-AWG17-X	17	0.047	1.19		500*	\$ 535.27
S-FSSD-AWG16-X	16	0.053	1.35		500*	\$ 545.79
S-FSSD-AWG15-X	15	0.059	1.50		500*	\$ 550.33
S-FSSD-AWG14-X	14	0.066	1.68	-01	500*	\$ 580.16
S-FSSD-AWG13-X	13	0.076	1.93		250*	\$ 295.18
S-FSSD-AWG12-X	12	0.085	2.16		250*	\$ 325.30
S-FSSD-AWG11-X	11	0.095	2.41		250*	\$ 342.37
S-FSSD-AWG10-X	10	0.106	2.69		250*	\$ 362.45
S-FSSD-AWG9-X	9	0.118	3.10		250*	\$ 372.49
S-FSSD-AWG8-X	8	0.133	3.38	-02	250*	\$ 402.61
S-FSSD-AWG7-X	7	0.148	3.76		250*	\$ 430.72
S-FSSD-AWG6-X	6	0.166	4.22		150*	\$ 274.83
S-FSSD-AWG5-X	5	0.186	4.72	-03	150*	\$ 307.05
S-FSSD-AWG4-X	4	0.208	5.28		150*	\$ 343.29
S-FSSD-AWG3-X	3	0.234	5.94		150*	\$ 385.57
S-FSSD-AWG2-X	2	0.263	6.68	-04	150*	\$ 454.03
S-FSSD-AWG1-X	1	0.294	7.47		150*	\$ 520.47
S-FSSD-05-X	5/16	0.313	7.95	-05	150*	\$ 567.78
S-FSSD-AWG0-X	0	0.330	8.38		150	\$ 610.07
S-FSSD-06-X	3/8	0.375	9.52	-06	150	\$ 853.69
S-FSSD-07-X	7/16	0.438	11.12	-07	100	\$ 751.21
S-FSSD-08-X	1/2	0.500	12.70	-08	100	\$ 877.72
S-FSSD-10-X	5/8	0.625	15.87	-10	100	\$ 1068.93
S-FSSD-12-X	3/4	0.750	19.05	-12	100	\$ 1258.32
S-FSSD-14-X	7/8	0.875	22.22	-14	100	\$ 1534.66
S-FSSD-16-X	1	1.000	25.40	-16	100	\$ 1874.27
S-FSSD-18-X	1 1/8	1.125	28.57	-18	100	\$ 2603.51
S-FSSD-20-X	1 1/4	1.250	31.75	-20	100	\$ 3062.44
S-FSSD-22-X	1 3/8	1.375	34.92	-22	3**	\$ 33.37
S-FSSD-23-X	1 7/16	1.437	36.49	-23	3**	\$ 36.88
S-FSSD-24-X	1 1/2	1.500	38.10	-24	3**	\$ 39.83
S-FSSD-26-X	1 5/8	1.625	41.27	-26	3**	\$ 42.99
S-FSSD-28-X	1 3/4	1.750	44.45	-28	3**	\$ 46.46
S-FSSD-30-X	1 7/8	1.875	47.62	-30	3**	\$ 50.17
S-FSSD-32-X	2	2.000	50.80	-32	3**	\$ 57.31

See Page 1-37 for a table of pre-coated dimensional specifications for this product

For the "X" value in the part number, specify "B" for Black or "OR" for Oxide-Red Color.

**This product is available in full coils only**

\* Longer Spool Lengths Available. \*\* Minimum order 30 pieces

**392°F / 200°C: StretchSleeve™ High Temperature, Heat & Flame Resistant Super Stretch Expandable Sleeve:**  
**Silicone Rubber Coated Expandable Fiberglass Sleeve with UL/CSA rating & NEMA Grade A**



This specially designed sleeve is recommended for sleeving applications, which require a snug fit over irregular shapes.

This sleeve proves a "heat shrink" like fit while still providing flexibility, abrasion resistance, moisture resistance, uv, ozone and chemical resistance.

This sleeve can expand to twice its relaxed diameter.

Electrically rated to +200°C, but can provide higher temperature performance if the electrical properties are not required.

Provides dielectric grade A, NEMA TF-1, Type 5; Mil-I-3190/6 (Grade A).

**StretchSleeve™ High Temperature, Heat & Flame Resistant Expandable Silicone Rubber Coated Fiberglass Sleeve**

Part Number	Size		I.D. in inches		Spool Size feet	Price per Spool
	AWG	Range	Relaxed	Expanded		
S-FS-SS-13-X	#13	#13 - #7	0.076	0.144	250	call
S-FS-SS-9-X	#9	#9 - #3	0.118	0.229	250	call
S-FS-SS-6-X	#6	#6 - #1	0.166	0.289	250	call
S-FS-SS-3-X	#3	#3 - .437"	0.234	0.437	250	call
S-FS-SS-0-X	#0	#0 - .625"	0.330	0.625	100	call
S-FS-SS-375-X	.375"	.375" - .750"	0.375	0.750	100	286.95
S-FS-SS-500-X	.500"	.500" - 1.00"	0.500	1.000	100	439.71
S-FS-SS-625-X	.625"	.625" - 1.25"	0.625	1.250	100	536.31

For X: use "WH" for White. Use "BK" for Black

Coating: 30 durometer, shore A; tensile strength >1000 psi; Elongation > 600%; Tear strength 150 ppi; Available in Black or White.

**Electrical**

Dielectric Strength:

after 48/23/50, Grade A

after 96/23/96, Grade A

Hydrostatic Stability after 336 hrs

@ 70°C over Constant Water Reflex

NEMA TF-1

NEMA TF-1

MIL-I-3190/9

8000V min avg., 6000v min individual  
80% of Original Value

Passes 7660V min avg with no  
disintegration, reversion or cracks  
(spec 5000V)

Flame Resistance

NEMA TF-1

MIL-I-3190/9, Method A

Passes

Pushback

MIL-I-3190/9

Passes

No cracks or ruptures, 6000V min avg  
breakdown strength



## 550°F / 287°C: DeltaGlass™ Fiberglass Braided Sleeve with PTFE (Teflon®) Coating. High Temperature, Heat & Chemical Resistant



- Available in 1/16" & 1/8" wall thickness
- PTFE (Teflon®) immersion coating

This sleeve offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

The PTFE coating melting point is 620°F / 327°C.

**550°F / 287°C continuous rating, high insulation value & excellent personnel protection**

High-Temperature, Heat & Chemical Resistance Braided Fiberglass Sleeve with PTFE (Teflon®) Coating						
Part Number	Size in / mm / -dash#			Feet per Spool Thin Wall / Thick Wall	Price / foot Thin wall	Price / foot Thick wall
S-PTFS-M006-04-X	.250	6	-04	1400 / 700	\$ 1.68	\$ 3.28
S-PTFS-M010-06-X	.375	10	-06	1400 / 600	\$ 1.88	\$ 3.64
S-PTFS-M013-08-X	.500	13	-08	1000 / 330	\$ 2.44	\$ 6.16
S-PTFS-M016-10-X	.625	16	-10	900 / 315	\$ 3.28	\$ 6.60
S-PTFS-M019-12-X	.750	19	-12	750 / 300	\$ 3.88	\$ 6.64
S-PTFS-M022-14-X	.875	22	-14	650 / 300	\$ 4.40	\$ 6.72
S-PTFS-M025-16-X	1.000	25	-16	500 / 290	\$ 5.32	\$ 7.28
S-PTFS-M032-20-X	1.250	32	-20	450 / 280	\$ 6.24	\$ 7.92
S-PTFS-M038-24-X	1.500	38	-24	350 / 225	\$ 7.68	\$ 9.36
S-PTFS-M041-26-X	1.625	41	-26	300 / 208	\$ 7.72	\$ 9.43
S-PTFS-M044-28-X	1.750	44	-28	300 / 208	\$ 8.12	\$ 9.92
S-PTFS-M051-32-X	2.000	51	-32	250 / 190	\$ 9.98	\$ 13.40
S-PTFS-M057-36-X	2.250	57	-36	250 / 190	\$ 10.31	\$ 14.11
S-PTFS-M064-40-X	2.500	64	-40	225 / 180	\$ 11.88	\$ 14.52
S-PTFS-M070-44-X	2.750	70	-44	225 / 180	\$ 12.03	\$ 15.48
S-PTFS-M076-48-X	3.000	76	-48	200 / 175	\$ 13.12	\$ 18.16
S-PTFS-M083-52-X	3.250	83	-52	200 / 175	\$ 13.43	\$ 18.58
S-PTFS-M089-56-X	3.500	89	-56	190 / 170	\$ 14.24	\$ 19.56
S-PTFS-M095-60-X	3.750	95	-60	190 / 170	\$ 15.09	\$ 20.16
S-PTFS-M102-64-X	4.000	102	-64	175 / 140	\$ 17.28	\$ 22.12
S-PTFS-M114-72-X	4.500	114	-72	175 / 140	\$ 20.66	\$ 29.23
S-PTFS-M127-80-X	5.000	127	-80	120 / 100	\$ 24.76	\$ 37.68

Darco

**For the "X" value, use "1" to specify Thin Wall; use "2" to specify Thick Wall**

**Thin Wall = 1/16" / 1.59mm • Thick Wall = 1/8" / 3.18mm**

**This Product is Available By-The-Foot**

The PTFE (Teflon) is applied to the sleeve by dipping the sleeve through an immersion tank of liquid PTFE dispersion. The sleeve is then air dried as it leaves the dip tank. The result is a PTFE coating on the sleeve which is soft, robust and flexible; however, it can be abrasively removed from the sleeve with aggressive fingernail scraping, resulting in a thinner and thinner layer of pte remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight sleeve wall.

## 550°F / 287°C: PTFE (Teflon) Resin Impregnated Fiberglass Fabric Sleeve with Velcro Closure

### Scuff-Sleeve™ VC



- Specialty protection for hoses, wire and cables.
- Sleeve with Velcro for easy retrofit.
- Sleeve is made from fiberglass base fabric with a PTFE (Teflon) coating. Excellent chemical resistance. Temperature range - 60°F to +550°F. Excellent UV protection. Not for use near open flame or welding.

Sold in 25 foot increments up to 150 feet continuous rolls. Available in standard sizes; larger or custom sizes can be easily fabricated if required. Helps to organize and bundle hoses and cables.

<b>Scuff-Sleeve™ VC: PTFE (Teflon) Impregnated Fiberglass Fabric Specialty Protection Sleeve</b>				
Part Number	Size inch / mm / -dash			Price per Foot
				FG/Teflon
S-PTSPS-VC-M025-16 *	1.00	25	-16	\$ 12.03
S-PTSPS-VC-M051-32	2.00	51	-32	\$ 15.60
S-PTSPS-VC-M064-40	2.50	64	-40	\$ 16.76
S-PTSPS-VC-M070-44	2.75	70	-44	\$ 18.28
S-PTSPS-VC-M076-48	3.00	76	-48	\$ 19.55
S-PTSPS-VC-M083-52	3.25	83	-52	\$ 20.36
S-PTSPS-VC-M089-56	3.50	89	-56	\$ 21.47
S-PTSPS-VC-M102-64	4.00	102	-64	\$ 22.36
S-PTSPS-VC-M127-80	5.00	127	-80	\$ 23.84
S-PTSPS-VC-M152-96	6.00	152	-96	\$ 24.91
S-PTSPS-VC-M178-112	7.00	165	-104	\$ 31.40
S-PTSPS-VC-M203-128	8.00	203	-128	\$ 32.37

**Custom sizes available**

Width of the Velcro is 1.5" except part numbers indicated with (\*) which is .75".

## 1000°F / 537°C: DeltaGlass™ Fiberglass Knitted Sleeve: Premium Grade.

**Very High Temperature & Heat Resistant**



This Knitted fiberglass sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 520°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

**1000°F / 537°C continuous rating, high insulation value & excellent personnel protection**

Very High Temperature & Heat Resistant Knitted Sleeve – Premium Grade					
ID Size inch / mm / dash#			Part Number	Price per Foot	Price per Metre
1/2"	13	-08	S-KFSP-M013-08	\$ 1.33	\$ 4.36
5/8"	16	-10	S-KFSP-M016-10	\$ 1.47	\$ 4.82
3/4"	19	-12	S-KFSP-M019-12	\$ 1.67	\$ 5.48
7/8"	22	-14	S-KFSP-M022-14	\$ 1.97	\$ 6.46
1"	25	-16	S-KFSP-M025-16	\$ 2.27	\$ 7.44
1 1/4"	32	-20	S-KFSP-M032-20	\$ 2.70	\$ 8.86
1 3/8"	35	-22	S-KFSP-M035-22	\$ 2.77	\$ 9.09
1 1/2"	38	-24	S-KFSP-M038-24	\$ 2.83	\$ 9.28
1 3/4"	44	-28	S-KFSP-M044-28	\$ 3.67	\$ 12.04
1 7/8"	48	-30	S-KFSP-M048-30	\$ 3.97	\$ 13.02
2"	51	-32	S-KFSP-M051-32	\$ 4.27	\$ 14.01
2 1/4"	57	-36	S-KFSP-M057-36	\$ 5.10	\$ 16.73
2 1/2"	64	-40	S-KFSP-M064-40	\$ 6.60	\$ 21.65
2 3/4"	70	-44	S-KFSP-M070-44	\$ 8.43	\$ 27.65
3"	76	-48	S-KFSP-M076-48	\$ 9.50	\$ 31.16
3 1/4"	83	-52	S-KFSP-M083-52	\$ 10.17	\$ 33.36
3 1/2"	89	-56	S-KFSP-M089-56	\$ 10.93	\$ 35.85
3 3/4"	95	-60	S-KFSP-M095-60	\$ 11.33	\$ 37.16
4"	102	-64	S-KFSP-M102-64	\$ 11.43	\$ 37.49
4 1/2"	114	-72	S-KFSP-M114-72	\$ 13.13	\$ 43.07
5"	127	-80	S-KFSP-M127-80	\$ 15.10	\$ 49.53
6"	152	-96	S-KFSP-M152-96	\$ 18.10	\$ 59.37

Knitted or Braided Fiberglass Sleeve is typically used to protect hoses, cables and wires from high temperatures up to 1000°F / 537°C continuous use. Extremely flexible and conformable.

**This product is available By-The-Foot, however, the minimum order value for this item is \$300.00**



## 1000°F / 537°C: DeltaGlass™

### Very High Temperature Heat Resistant Fiberglass Braided Sleeve: Premium Grade



This Braided fiberglass sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

**1000°F / 537°C continuous rating, high insulation value & excellent personnel protection**

DeltaGlass™ Very High Temperature & Heat Resistant Fiberglass Braided Sleeve - Premium Grade					
ID Size inch / mm / dash#			Part Number	Price per Foot	Price per Metre
1/2"	13	-08	S-BFSP-M013-08	\$ 2.17	\$ 7.12
5/8"	16	-10	S-BFSP-M016-10	\$ 2.47	\$ 8.10
3/4"	19	-12	S-BFSP-M019-12	\$ 3.00	\$ 9.84
7/8"	22	-14	S-BFSP-M022-14	\$ 3.31	\$ 10.86
1"	25	-16	S-BFSP-M025-16	\$ 3.67	\$ 12.04
1 1/4"	32	-20	S-BFSP-M032-20	\$ 4.33	\$ 14.20
1 3/8"	35	-22	S-BFSP-M035-22	\$ 4.83	\$ 15.84
1 1/2"	38	-24	S-BFSP-M038-24	\$ 5.33	\$ 17.48
1 3/4"	44	-28	S-BFSP-M044-28	\$ 6.33	\$ 20.76
1 7/8"	48	-30	S-BFSP-M048-30	\$ 7.44	\$ 24.40
2"	51	-32	S-BFSP-M051-32	\$ 8.33	\$ 27.32
2 1/4"	57	-36	S-BFSP-M057-36	\$ 8.67	\$ 28.44
2 1/2"	64	-40	S-BFSP-M064-40	\$ 9.04	\$ 29.65
2 3/4"	70	-44	S-BFSP-M070-44	\$ 9.67	\$ 31.72
3"	76	-48	S-BFSP-M076-48	\$ 10.50	\$ 34.44
3 1/4"	83	-52	S-BFSP-M083-52	\$ 11.50	\$ 37.72
3 1/2"	89	-56	S-BFSP-M089-56	\$ 12.05	\$ 39.52
3 3/4"	95	-60	S-BFSP-M095-60	\$ 12.43	\$ 40.77
4"	102	-64	S-BFSP-M102-64	\$ 12.83	\$ 42.08

DeltaGlass™ Knitted or Braided Fiberglass Sleaving is typically used to protect hoses, cables and wires from high temperatures up to 1000°F / 537°C continuous use. Extremely flexible and conformable.

**This Product is Available By-The-Foot**

## 1000°F / 537°C: DeltaGlass™ Very High Temperature & Heat Resistant Fiberglass Braided Sleeve: Industrial Grade



- DeltaGlass™ Braided Industrial sleeve
- Available in Thin Wall (1/16") and Thick Wall (1/8").

This braided sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

DeltaGlass™ Very High Temperature & Heat Resistant Fiberglass Braided Sleeve Industrial Grade							
Part Number	Size inch / mm / -dash			Thin Wall		Thick Wall	
				Feet / Metres per spool	Price per Foot / Metre	Feet / Metres per spool	Price per Foot / Metre
S-BFS-M006-04-X	.250	6	-4	1400 / 426	\$ 0.56 / \$ 1.84	700 / 213	\$ 1.08 / \$ 3.54
S-BFS-M010-06-X	.375	10	-6	1400 / 426	\$ 0.76 / \$ 2.49	600 / 182	\$ 1.20 / \$ 3.94
S-BFS-M013-08-X	.500	13	-8	1000 / 304	\$ 0.92 / \$ 3.02	330 / 100	\$ 2.00 / \$ 6.56
S-BFS-M016-10-X	.625	16	-10	900 / 274	\$ 0.96 / \$ 3.15	315 / 96	\$ 2.16 / \$ 7.09
S-BFS-M019-12-X	.750	19	-12	750 / 228	\$ 1.01 / \$ 3.31	300 / 91	\$ 2.18 / \$ 7.15
S-BFS-M022-14-X	.875	22	-14	650 / 198	\$ 1.12 / \$ 3.67	300 / 91	\$ 2.20 / \$ 7.22
S-BFS-M025-16-X	1.000	25	-16	500 / 152	\$ 1.52 / \$ 4.99	290 / 88	\$ 2.40 / \$ 7.87
S-BFS-M032-20-X	1.250	32	-20	450 / 137	\$ 1.80 / \$ 5.90	280 / 85	\$ 2.60 / \$ 8.53
S-BFS-M038-24-X	1.500	38	-24	350 / 106	\$ 2.36 / \$ 7.74	225 / 68	\$ 3.04 / \$ 9.97
S-BFS-M044-28-X	1.750	44	-28	300 / 91	\$ 2.52 / \$ 8.27	208 / 63	\$ 3.24 / \$ 10.63
S-BFS-M051-32-X	2.000	51	-32	250 / 76	\$ 2.64 / \$ 8.66	190 / 57	\$ 4.36 / \$ 14.30
S-BFS-M064-40-X	2.500	64	-40	225 / 68	\$ 2.96 / \$ 9.71	180 / 54	\$ 4.76 / \$ 15.61
S-BFS-M076-48-X	3.000	76	-48	200 / 60	\$ 3.20 / \$ 10.50	175 / 53	\$ 5.92 / \$ 19.42
S-BFS-M089-56-X	3.500	89	-56	190 / 57	\$ 3.56 / \$ 11.68	170 / 51	\$ 6.40 / \$ 20.99
S-BFS-M102-64-X	4.000	102	-64	175 / 53	\$ 5.88 / \$ 19.29	140 / 42	\$ 7.20 / \$ 23.62
S-BFS-M127-80-X	5.000	127	-80	120 / 36	\$ 6.16 / \$ 20.21	100 / 30	\$ 12.28 / \$ 40.28

For the "X" value in the part number:  
 use "1" to specify Thin Wall; use "2" to specify Thick Wall

Thin Wall = 1/16" / 1.59mm • Thick Wall = 1/8" / 3.18mm

This Product is Available By-The-Foot

## 1000°F / 537°C: DeltaGlass™ Fiberglass Braided Heat Treated Sleeve: Premium Grade

**Very High Temperature & Heat Resistant – Passes UL VW-1 Flame Test**



This Braided fiberglass sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

Heat Treating removes organics and impurities from the sleeve, and makes the product dimensionally stable to the high-end of its continuous exposure temperature (providing minimal shrinkage). The sleeve is exceptionally smooth and has extremely few loose filament ends protruding from the braid – making it extremely clean to use in a variety of applications including aerospace wiring protection and bundling and clean room applications.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The braiding is fine and dense, providing excellent protective coverage. Common applications for heat treated sleeve is for the protection of wiring, cables and hoses in consumer, industrial and commercial appliances and equipment such as ovens, kilns, toasters and heaters. The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

**1000°F / 537°C continuous rating, high insulation value & excellent personnel protection**

<b>Very High Temperature &amp; Heat Resistant Fiberglass Braided Heat Treated Sleeve – Premium Grade UL 1441 (VW-1) / Dielectric C-3 / UL Thermal Class S &amp; C</b>					
Part Number	ID Size in / mm / dash #	Thin Wall Spool		Standard Wall Spool	
		Feet / Metres	Price	Feet / Metres	Price
S-BFHTS-M006-04-X	0.250 / 6 / -4	250 / 76	\$ 140.00	500 / 152	\$ 815.00
S-BFHTS-M010-06-X	0.375 / 10 / -6	100 / 30	\$ 110.00	500 / 152	\$ 915.00
S-BFHTS-M011-07-X	0.437 / 11 / -7	100 / 30	\$ 143.33	N/A	N/A
S-BFHTS-M013-08-X	0.500 / 13 / -8	100 / 30	\$ 186.67	400 / 121	\$ 997.00
S-BFHTS-M016-10-X	0.625 / 16 / -10	100 / 30	\$ 226.67	500 / 152	\$ 1,565.00
S-BFHTS-M019-12-X	0.750 / 19 / -12	100 / 30	\$ 280.00	400 / 121	\$ 1,332.00
S-BFHTS-M022-14-X	0.875 / 22 / -14	100 / 30	\$ 343.33	N/A	N/A
S-BFHTS-M025-16-X	1.000 / 25 / -16	100 / 30	\$ 403.33	250 / 76	\$ 1,092.50
S-BFHTS-M038-24-X	1.500 / 38 / -24	N/A	N/A	200 / 76	\$ 1,500.00

For the X value, specify “TW” for thin wall and “SW” for standard wall

Thin Wall Thickness is .015” or 1/64 of an inch (0.38 mm) (300V space factor rating)  
Standard Wall thickness is .032” or 1/32 of an inch (0.81mm) (600V space factor rating)

Standard Wall is normally stock, Thin Wall is typically 5 to 10 days delivery

Please call for additional discount pricing when ordering more than 5 spools.

**This Product is NOT Available By-The-Foot – Full Spool Only**

## 1000°F / 537°C: DeltaGlass™ Fiberglass Braided Saturated Sleeve - Premium Grade

### Very High Temperature & Heat Resistant Expandable Sleeve



This Braided fiberglass sleeve is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

The braid angle of this sleeve allows for the sleeve to easily adjust to a range of sizes around its nominal ID – so it can accommodate passing over splices and in-line connectors.

The saturant provides reduced fray when cutting this sleeve, as can be seen by the clean ends of the sleeve in this photo. As well, the sleeve becomes stiffer (notice the sleeve remains tubular and does not collapse under its own weight as it would unsaturated).

**1000°F / 537°C continuous rating, high insulation value & excellent personnel protection**

Very High Temperature & Heat Resistant Braided Fiberglass Acrylic Saturated Sleeve - Premium			
Part Number	Size Range	Feet / Metres per Spool	Price per Spool
S-BFSAS-M006/010-04/06	1/4" to 3/8"	600 / 182	\$ 690.00
S-BFSAS-M010/013-06/08	3/8" to 1/2"	400 / 121	\$ 748.00
S-BFSAS-M013/019-08/12	1/2" to 3/4"	300 / 91	\$ 891.00
S-BFSAS-M016/025-10/16	5/8" to 1"	250 / 76	\$ 995.00
S-BFSAS-M019/032-12/20	3/4" to 1 1/4"	250 / 76	\$ 1,332.50
S-BFSAS-M025/044-16/28	1" to 1 3/4"	200 / 60	\$ 1,584.00
S-BFSAS-M038/057-24/36	1 1/2" to 2 1/4"	150 / 45	\$ 1,828.50
S-BFSAS-M064/102-40/64	2 1/2" to 4"	75 / 22	\$ 1,464.75

Please call for additional discount pricing when ordering more than 5 spools.

The addition of an acrylic saturant adds rigidity and abrasive resistance to the sleeve, reducing the likelihood of end fray and results in a sleeve that is easy to apply over long lengths of hose or cable.

The large braid angle allows for significant expansion of the sleeve resulting in ease of installation, for example, in situations where a hose may have an in-line coupling or adapter to a larger size hose; or similarly where cables may have a splice.

**This Product is NOT Available By-The-Foot – Full Spool Only**



## **1000°F / 537°C: DeltaGlass™ Fiberglass Braided Sleeve:**

### ***Precision Small Diameter***

**Very High Temperature & Heat Resistant Primary Insulation with UL/CSA approval rating and NEMA classification**

***S-Glass Precision Small Diameter / NEMA Wall Thickness:***

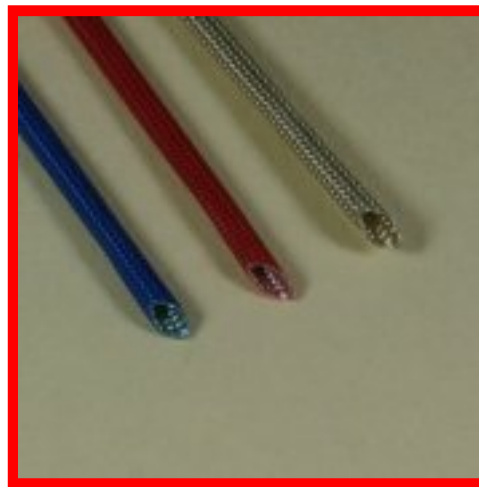
**Plain or Heat Treated, Heat Treated with Binders**

***E-Glass Precision Small Diameter / Heavy Wall:***

**Heat Treated or Heat Treated with Binders**



Left: Standard Wall Thickness  
Right: 1/32" Heavy Wall Thickness



Standard Wall Thickness  
Heat Treated with Binders

**Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.**

**Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent.**

This is a high-strength, high-temperature fibreglass sleeve produced from either S-Glass or E-Glass. S-Glass, which in addition to enhanced dielectric and mechanical properties, provides thermal protection beyond the limits of conventional E-glass fibers. S-Glass is free of boron and will not decompose to form gaseous products with nuclear radiation exposure. Also available heat treated; with Acrylic resin or Oleoresinous binder. Both heat treated and with binders reduces fray and makes cutting easier.

The braiding is tight and dense, providing excellent coverage over small wires, cables, hoses, tubes and pipes.

### **S-Glass Properties:**

Specific Gravity g/cm<sup>3</sup>: 2.48 – 2.49

Elongation at break, %: 5.3 – 5.7

Tensile strength, psi @22°C: 650,000 – 700,000

Water absorbency @22°C, 65% R.H.: None

Good resistance to most acids and alkalis

Unaffected by bleaches and solvents

Excellent resistance to sunlight and aging. Not attacked by Mildew.

Provides space factor electrical insulation of approximately 1375V for thin wall but no dielectric guarantee provided.

Conforms to NEMA TF-2. Fibers conform to MIL-R-60346. Type IV, Class 1.

**Very High Temperature & Heat Resistant Fiberglass Braided Sleeve**  
**S-Glass Precision Small Diameter / NEMA Wall Thickness: Plain or Heat Treated**  
**with UL / CSA Approval Rating and NEMA classification**

Part Number	Nominal Size AWG / inch / mm / -dash				Price per Spool		Feet per Spool
					Plain	Heat Treated	
S-SFG-AWG24-X	24	0.022	0.56	NA	\$ 190.38	\$ 230.46	500'
S-SFG-AWG22-X	22	0.027	0.69	NA	\$ 205.41	\$ 240.48	500'
S-SFG-AWG20-X	20	0.034	0.86	NA	\$ 210.42	\$ 250.50	500'
S-SFG-AWG19-X	19	0.038	0.96	NA	\$ 220.44	\$ 255.51	500'
S-SFG-AWG18-X	18	0.042	1.07	NA	\$ 235.47	\$ 275.55	500'
S-SFG-AWG17-X	17	0.047	1.19	NA	\$ 250.50	\$ 295.59	500'
S-SFG-AWG16-X	16	0.053	1.35	NA	\$ 285.57	\$ 335.67	500'
S-SFG-AWG15-X	15	0.059	1.50	NA	\$ 320.64	\$ 380.76	500'
S-SFG-AWG14-X	14	0.066	1.68	-01	\$ 355.71	\$ 415.83	500'
S-SFG-AWG13-X	13	0.076	1.93	NA	\$ 197.79	\$ 230.92	250'
S-SFG-AWG12-X	12	0.085	2.16	NA	\$ 212.85	\$ 252.01	250'
S-SFG-AWG11-X	11	0.095	2.41	NA	\$ 230.92	\$ 272.59	250'
S-SFG-AWG10-X	10	0.106	2.69	NA	\$ 242.97	\$ 287.55	250'
S-SFG-AWG9-X	9	0.118	3.10	NA	\$ 267.07	\$ 315.26	250'
S-SFG-AWG8-X	8	0.133	3.38	-02	\$ 290.16	\$ 345.38	250'
S-SFG-AWG7-X	7	0.148	3.76	NA	\$ 310.24	\$ 371.48	250'
S-SFG-AWG6-X	6	0.166	4.22	NA	\$ 201.34	\$ 235.57	150'
S-SFG-AWG5-X	5	0.186	4.72	-03	\$ 219.46	\$ 261.74	150'
S-SFG-AWG4-X	4	0.208	5.28	NA	\$ 241.61	\$ 286.91	150'
S-SFG-AWG3-X	3	0.234	5.94	NA	\$ 274.83	\$ 324.16	150'
S-SFG-AWG2-X	2	0.263	6.68	-04	\$ 309.06	\$ 364.43	150'
S-SFG-AWG1-X	1	0.294	7.47	NA	\$ 348.32	\$ 411.74	150'
S-SFG-05-X	5/16	0.313	7.95	-05	\$ 378.52	\$ 441.94	150'
S-SFG-AWG0-X	0	0.330	8.38	NA	\$ 405.70	\$ 475.17	150'
S-SFG-06-X	3/8	0.375	9.52	-06	\$ 765.10	\$ 894.96	150'
S-SFG-07-X	7/16	0.438	11.12	-07	\$ 616.21	\$ 734.34	100'
S-SFG-08-X	1/2	0.500	12.70	-08	\$ 784.35	\$ 916.33	100'
S-SFG-10-X	5/8	0.625	15.87	-10	\$ 940.74	\$ 1101.21	100'
S-SFG-12-X	3/4	0.750	19.05	-12	\$ 1190.11	\$ 1236.54	100'
S-SFG-14-X	7/8	0.875	22.22	-14	\$ 1296.63	\$ 1516.79	100'
S-SFG-16-X	1	1.000	25.40	-16	\$ 1528.84	\$ 1788.54	100'

For the "X" value in the part number:      use "P" to specify Plain  
    use "HT" to specify Heat Treated

See Page 1-37 for a table of dimensional specifications for this product

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.

Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent.

This Product must be purchased in full coils.

Product is made to order – allow 5 to 10 business days to fabricate.

**Very High Temperature & Heat Resistant Fiberglass Braided Sleeve**  
**S-Glass Precision Small Diameter / NEMA Wall Thickness:**  
**Heat Treated with Binders**  
**with UL / CSA Approval Rating and NEMA classification**

Part Number	Nominal Size AWG / inch / mm / -dash				Price per Spool	Feet per Spool
S-SFG-HTB-AWG24-X	24	0.022	0.56	NA	\$ 255.51	500'
S-SFG-HTB-AWG22-X	22	0.027	0.69	NA	\$ 270.54	500'
S-SFG-HTB-AWG20-X	20	0.034	0.86	NA	\$ 275.55	500'
S-SFG-HTB-AWG19-X	19	0.038	0.96	NA	\$ 290.58	500'
S-SFG-HTB-AWG18-X	18	0.042	1.07	NA	\$ 305.61	500'
S-SFG-HTB-AWG17-X	17	0.047	1.19	NA	\$ 335.67	500'
S-SFG-HTB-AWG16-X	16	0.053	1.35	NA	\$ 375.75	500'
S-SFG-HTB-AWG15-X	15	0.059	1.50	NA	\$ 415.83	500'
S-SFG-HTB-AWG14-X	14	0.066	1.68	-01	\$ 460.92	500'
S-SFG-HTB-AWG13-X	13	0.076	1.93	NA	\$ 257.03	250'
S-SFG-HTB-AWG12-X	12	0.085	2.16	NA	\$ 275.10	250'
S-SFG-HTB-AWG11-X	11	0.095	2.41	NA	\$ 300.20	250'
S-SFG-HTB-AWG10-X	10	0.106	2.69	NA	\$ 320.28	250'
S-SFG-HTB-AWG9-X	9	0.118	3.10	NA	\$ 350.40	250'
S-SFG-HTB-AWG8-X	8	0.133	3.38	-02	\$ 377.51	250'
S-SFG-HTB-AWG7-X	7	0.148	3.76	NA	\$ 410.64	250'
S-SFG-HTB-AWG6-X	6	0.166	4.22	NA	\$ 264.76	150'
S-SFG-HTB-AWG5-X	5	0.186	4.72	-03	\$ 289.93	150'
S-SFG-HTB-AWG4-X	4	0.208	5.28	NA	\$ 316.11	150'
S-SFG-HTB-AWG3-X	3	0.234	5.94	NA	\$ 358.39	150'
S-SFG-HTB-AWG2-X	2	0.263	6.68	-04	\$ 405.70	150'
S-SFG-HTB-AWG1-X	1	0.294	7.47	NA	\$ 459.06	150'
S-SFG-HTB-05-X	5/16	0.313	7.95	-05	\$ 493.29	150'
S-SFG-HTB-AWG0-X	0	0.330	8.38	NA	\$ 526.51	150'
S-SFG-HTB-06-X	3/8	0.375	9.52	-06	\$ 993.62	150'
S-SFG-HTB-07-X	7/16	0.438	11.12	-07	\$ 815.21	100'
S-SFG-HTB-08-X	1/2	0.500	12.70	-08	\$ 1017.55	100'
S-SFG-HTB-10-X	5/8	0.625	15.87	-10	\$ 1221.71	100'
S-SFG-HTB-12-X	3/4	0.750	19.05	-12	\$ 1546.92	100'
S-SFG-HTB-14-X	7/8	0.875	22.22	-14	\$ 1683.68	100'
S-SFG-HTB-16-X	1	1.000	25.40	-16	\$ 1984.17	100'

**For the "X" value in the part number:**

**use "HTAR" to specify Heat Treated plus Acrylic Resin Binder**

**use "HTORV" to specify Heat Treated with Oleoresinous Varnish Binder**

See Page 1-37 for a table of dimensional specifications for this product

Plain & heat treated sleeve is rated 1000°F / 537°C continuous, 1742°F / 950°C intermittent.

Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent

Available in 8 colors:

This Product must be purchased in full coils.

Product is made to order – allow 5 to 10 business days to fabricate.

**Very High Temperature & Heat Resistant Fiberglass Braided Sleeve**  
**E-Glass Precision Small Diameter / Heavy Wall (1/32" - .031")**  
**Heat Treated or Heat Treated with Binders**  
**with UL / CSA Approval Rating and NEMA classification**

Part Number	Nominal Size AWG / inch / mm / -dash				Price per Spool		Feet per Coil
					Heat Treated	Heat Treated with Binders	
S-EFG-AWG24-X	24	0.022	0.56	NA	\$ 180.00	\$ 225.00	500'
S-EFG-AWG22-X	22	0.027	0.69	NA	\$ 185.00	\$ 230.00	500'
S-EFG-AWG20-X	20	0.034	0.86	NA	\$ 195.00	\$ 235.00	500'
S-EFG-AWG19-X	19	0.038	0.96	NA	\$ 195.00	\$ 240.00	500'
S-EFG-AWG18-X	18	0.042	1.07	NA	\$ 200.00	\$ 245.00	500'
S-EFG-AWG17-X	17	0.047	1.19	NA	\$ 205.00	\$ 250.00	500'
S-EFG-AWG16-X	16	0.053	1.35	NA	\$ 210.00	\$ 260.00	500'
S-EFG-AWG15-X	15	0.059	1.50	NA	\$ 220.00	\$ 270.00	500'
S-EFG-AWG14-X	14	0.066	1.68	-01	\$ 225.00	\$ 280.00	500'
S-EFG-AWG13-X	13	0.076	1.93	NA	\$ 112.50	\$ 142.50	250'
S-EFG-AWG12-X	12	0.085	2.16	NA	\$ 115.00	\$ 150.00	250'
S-EFG-AWG11-X	11	0.095	2.41	NA	\$ 125.00	\$ 165.00	250'
S-EFG-AWG10-X	10	0.106	2.69	NA	\$ 127.50	\$ 167.50	250'
S-EFG-AWG9-X	9	0.118	3.10	NA	\$ 137.50	\$ 175.00	250'
S-EFG-AWG8-X	8	0.133	3.38	-02	\$ 147.50	\$ 195.00	250'
S-EFG-AWG7-X	7	0.148	3.76	NA	\$ 160.00	\$ 207.50	250'
S-EFG-AWG6-X	6	0.166	4.22	NA	\$ 105.00	\$ 133.50	150'
S-EFG-AWG5-X	5	0.186	4.72	-03	\$ 114.00	\$ 145.50	150'
S-EFG-AWG4-X	4	0.208	5.28	NA	\$ 123.00	\$ 162.00	150'
S-EFG-AWG3-X	3	0.234	5.94	NA	\$ 142.50	\$ 177.00	150'
S-EFG-AWG2-X	2	0.263	6.68	-04	\$ 157.50	\$ 205.50	150'
S-EFG-AWG1-X	1	0.294	7.47	NA	\$ 181.50	\$ 232.50	150'
S-EFG-05-X	5/16	0.313	7.95	-05	\$ 208.50	\$ 273.00	150'
S-EFG-AWG0-X	0	0.330	8.38	NA	\$ 252.00	\$ 292.50	150'
S-EFG-06-X	3/8	0.375	9.52	-06	\$ 297.00	\$ 385.50	150'
S-EFG-07-X	7/16	0.438	11.12	-07	\$ 224.00	\$ 283.00	100'
S-EFG-08-X	1/2	0.500	12.70	-08	\$ 239.00	\$ 301.00	100'
S-EFG-10-X	5/8	0.625	15.87	-10	\$ 258.00	\$ 326.00	100'
S-EFG-12-X	3/4	0.750	19.05	-12	\$ 318.00	\$ 399.00	100'
S-EFG-14-X	7/8	0.875	22.22	-14	\$ 351.00	\$ 443.00	100'
S-EFG-16-X	1	1.000	25.40	-16	\$ 427.00	\$ 537.00	100'

**For the "X" value in the part number:**

**use "HT" to specify Heat Treated**

**use "HTAR" to specify Heat Treated plus Acrylic Resin Binder,**

**use "HTARF" to specify Heat Treated plus Acrylic Resin Flexible Binder**

**use "HTORV" to specify Heat Treated with Oleoresinous Varnish Binder**

Plain & heat treated sleeve is 1000°F / 537°C continuous, 1742°F / 950°C intermittent.

Sleeve with binders is rated to 600°F / 316°C continuous, 1140°F / 616°C intermittent

See Page 1-37 for a table of dimensional specifications for this product  
except for wall thickness

This Product must be purchased in full coils.

Product is made to order – allow 5 to 10 business days to fabricate.



## 1000°F / 537°C: DeltaGlass™ Braided Fiberglass Sleeve with Graphite Impregnation

### Very High Temperature & Heat Resistant



- 1/16" and 1/8" wall thickness
- Graphite Impregnation

Graphite adds lubrication to result in a very slippery rope with electrical conductivity.

Resists molten splash and splatter very well as it cannot stick to the graphite.

Service temperatures up to 1000°F.

**1000°F / 537°C continuous rating, high insulation value & excellent personnel protection**

Very High-Temperature Braided Sleeve with Graphite Coating						
Part Number	Size in / mm / -dash			Feet per Spool Thin wall / Thick wall	Price / foot Thin wall Graphite	Price / foot Thick wall Graphite
S-GC-FGBS-M006-04-X	.250	6	-04	1400 / 700	\$ 2.32	\$ 4.56
S-GC-FGBS-M010-06-X	.375	10	-06	1400 / 600	\$ 2.60	\$ 5.08
S-GC-FGBS-M013-08-X	.500	13	-08	1000 / 330	\$ 3.76	\$ 8.60
S-GC-FGBS-M016-10-X	.625	16	-10	900 / 315	\$ 4.20	\$ 9.20
S-GC-FGBS-M019-12-X	.750	19	-12	750 / 300	\$ 4.80	\$ 9.36
S-GC-FGBS-M022-14-X	.875	22	-14	650 / 300	\$ 5.44	\$ 9.44
S-GC-FGBS-M025-16-X	1.000	25	-16	500 / 290	\$ 6.64	\$ 9.72
S-GC-FGBS-M032-20-X	1.250	32	-20	450 / 280	\$ 7.76	\$ 11.08
S-GC-FGBS-M038-24-X	1.500	38	-24	350 / 225	\$ 9.56	\$ 13.08
S-GC-FGBS-M041-26-X	1.625	41	-26	300 / 208	\$ 9.61	\$ 13.36
S-GC-FGBS-M044-28-X	1.750	44	-28	300 / 208	\$ 10.12	\$ 13.84
S-GC-FGBS-M051-32-X	2.000	51	-32	250 / 190	\$ 12.48	\$ 18.68
S-GC-FGBS-M057-36-X	2.250	57	-36	250 / 190	\$ 12.61	\$ 19.02
S-GC-FGBS-M064-40-X	2.500	64	-40	225 / 180	\$ 14.84	\$ 20.28
S-GC-FGBS-M070-44-X	2.750	70	-44	225 / 180	\$ 15.17	\$ 21.55
S-GC-FGBS-M076-48-X	3.000	76	-48	200 / 175	\$ 15.96	\$ 25.40
S-GC-FGBS-M083-52-X	3.250	83	-52	200 / 175	\$ 16.67	\$ 26.31
S-GC-FGBS-M089-56-X	3.500	89	-56	190 / 170	\$ 17.80	\$ 27.44
S-GC-FGBS-M095-60-X	3.750	95	-60	190 / 170	\$ 18.97	\$ 28.99
S-GC-FGBS-M102-64-X	4.000	102	-64	175 / 140	\$ 21.36	\$ 31.16
S-GC-FGBS-M114-72-X	4.500	114	-72	175 / 140	\$ 27.65	\$ 40.73
S-GC-FGBS-M127-80-X	5.000	127	-80	120 / 100	\$ 35.64	\$ 52.44

**For the "X" value, use "1" to specify Thin Wall; use "2" to specify Thick Wall**

**Thin Wall = 1/16" / 1.59mm • Thick Wall = 1/8" / 3.18mm**

**This Product is Available By The Foot**

## 1500°F / 815°C: Braided Vermiculite Coated Fiberglass Sleeve: Premium Grade. Very High Temperature & Heat Resistant



FlameGuard™ braided fiberglass sleeve with specialty coating of Vermiculite.

- Available in thin wall (1/16 in. / 1.6mm.) and thick wall (1/8 in. / 3.18mm.).
- 1500°F / 815°C continuous exposure with excursion to 2000°F / 1093°C.

### 1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

The Vermiculite coating adds abrasion resistance and higher temperature capabilities which makes this sleeve a good insulator for hose, cable and copper or aluminum tubing.

FlameGuard™ Very High Temperature & Heat Resistant Braided Vermiculite Coated Fiberglass Sleeve: Premium Grade						
Part Number	Size in / mm / -dash			Feet – Metres per Spool Thin wall / Thick wall	Price per foot / metre Thin wall	Price per foot / metre Thick wall
S-VC-FGBS-M006-04-X	.250	6	-04	1400 - 426 / 700 - 213	\$ 0.84 / \$ 2.76	\$ 1.68 / \$ 5.51
S-VC-FGBS-M010-06-X	.375	10	-06	1400 - 426 / 600 - 182	\$ 0.96 / \$ 3.15	\$ 1.88 / \$ 6.17
S-VC-FGBS-M013-08-X	.500	13	-08	1000 - 304 / 330 - 100	\$ 1.40 / \$ 4.59	\$ 3.16 / \$ 10.37
S-VC-FGBS-M016-10-X	.625	16	-10	900 - 274 / 315 - 96	\$ 1.52 / \$ 4.98	\$ 3.40 / \$ 11.15
S-VC-FGBS-M019-12-X	.750	19	-12	750 - 228 / 300 - 91	\$ 1.76 / \$ 5.77	\$ 3.44 / \$ 11.29
S-VC-FGBS-M022-14-X	.875	22	-14	650 - 198 / 300 - 91	\$ 2.00 / \$ 6.56	\$ 3.48 / \$ 11.42
S-VC-FGBS-M025-16-X	1.000	25	-16	500 - 152 / 290 - 88	\$ 2.44 / \$ 8.01	\$ 3.56 / \$ 11.68
S-VC-FGBS-M032-20-X	1.250	32	-20	450 - 137 / 280 - 85	\$ 2.88 / \$ 9.45	\$ 4.08 / \$ 13.39
S-VC-FGBS-M038-24-X	1.500	38	-24	350 - 106 / 225 - 68	\$ 3.52 / \$ 11.55	\$ 4.80 / \$ 15.75
S-VC-FGBS-M041-26-X	1.625	41	-26	300 - 91 / 208 - 63	\$ 3.61 / \$ 11.84	\$ 4.86 / \$ 15.94
S-VC-FGBS-M044-28-X	1.750	44	-28	300 - 91 / 208 - 63	\$ 3.72 / \$ 12.20	\$ 5.08 / \$ 16.67
S-VC-FGBS-M051-32-X	2.000	51	-32	250 - 76 / 190 - 57	\$ 4.60 / \$ 15.09	\$ 6.88 / \$ 22.57
S-VC-FGBS-M057-36-X	2.250	57	-36	250 - 76 / 190 - 57	\$ 4.97 / \$ 16.31	\$ 7.04 / \$ 23.10
S-VC-FGBS-M064-40-X	2.500	64	-40	225 - 68 / 180 - 54	\$ 5.48 / \$ 17.98	\$ 7.48 / \$ 24.54
S-VC-FGBS-M070-44-X	2.750	70	-44	225 - 68 / 180 - 54	\$ 5.56 / \$ 18.24	\$ 7.88 / \$ 25.85
S-VC-FGBS-M076-48-X	3.000	76	-48	200 - 60 / 175 - 53	\$ 5.88 / \$ 19.29	\$ 9.40 / \$ 30.84
S-VC-FGBS-M083-52-X	3.250	83	-52	200 - 60 / 175 - 53	\$ 6.03 / \$ 19.78	\$ 9.65 / \$ 31.66
S-VC-FGBS-M089-56-X	3.500	89	-56	190 - 57 / 170 - 51	\$ 6.56 / \$ 21.52	\$ 10.08 / \$ 33.07
S-VC-FGBS-M095-60-X	3.750	95	-60	190 - 57 / 170 - 51	\$ 7.05 / \$ 23.13	\$ 10.88 / \$ 35.69
S-VC-FGBS-M102-64-X	4.000	102	-64	175 - 53 / 140 - 42	\$ 7.92 / \$ 25.98	\$ 11.48 / \$ 37.66
S-VC-FGBS-M114-72-X	4.500	114	-72	175 - 53 / 140 - 42	N/A	\$ 14.49 / \$ 47.54
S-VC-FGBS-M127-80-X	5.000	127	-80	120 - 36 / 100 - 30	N/A	\$ 19.32 / \$ 63.39

For the “X” value in the part number:  
 use “1” to specify Thin Wall; use “2” to specify Thick Wall

This Product is Available By-The-Foot

## Weld Protection Specialty Protection Sleeve with Velcro Closure

### Scuff-Sleeve™ VC Weld Shield



- Specialty protection for hoses, wire and cables.
- Sleeve with Velcro for easy retrofit.

FG/WeldShield sleeve is fiberglass base material with a neoprene rubber coating. Temperature range -60°F to +500°F with weld splatter protection. Very good UV protection.

FG/Carbon Fiber sleeve is fabricated with a fiberglass core and carbon fiber felt. Excellent for weld protection, hot tar, foundry and turbo exhaust. Temperature range -60°F to +1800°F. Metal thread and fastener construction. Excellent UV protection.

Sold in 25 foot increments up to 150 feet continuous rolls, except FG/CarbonFiber which has a 50 foot maximum roll length. Available in standard sizes; larger or custom sizes can be easily fabricated if required. Helps to organize and bundle hoses and cables.

Scuff-Sleeve™ VC: Specialty Protection Sleeve					
Part Number	Size inch / mm / -dash			Price per Foot	
				FG/WeldShield A	FG/CarbonFiber B
*S-WPS-VCL-M025-16-X	1.00	25	-16	\$ 10.20	\$ 19.20
*S-WPS-VCL-M038-24-X	1.50	38	-24	\$ 13.36	N/A
S-WPS-VCL-M051-32-X	2.00	51	-32	\$ 13.52	\$ 24.20
S-WPS-VCL-M060-38-X	2.38	60	-38	\$ 14.80	N/A
S-WPS-VCL-M064-40-X	2.50	64	-40	N/A	N/A
S-WPS-VCL-M070-44-X	2.75	70	-44	\$ 16.12	N/A
S-WPS-VCL-M076-48-X	3.00	76	-48	\$ 16.56	\$ 29.16
S-WPS-VCL-M083-52-X	3.25	83	-52	\$ 18.76	N/A
S-WPS-VCL-M089-56-X	3.50	89	-56	\$ 19.66	N/A
S-WPS-VCL-M102-64-X	4.00	102	-64	\$ 19.83	\$ 30.97
S-WPS-VCL-M114-72-X	4.50	114	-72	\$ 26.28	\$ 32.43
S-WPS-VCL-M127-80-X	5.00	127	-80	\$ 27.74	\$ 34.12
S-WPS-VCL-M152-96-X	6.00	152	-96	\$ 28.31	\$ 35.76
S-WPS-VCL-M178-112-X	7.00	165	-104	\$ 34.44	\$ 46.20
S-WPS-VCL-M203-128-X	8.00	203	-128	\$ 35.87	\$ 54.33
S-WPS-VCL-M305-192-X	12.00	305	-192	\$ 55.63	N/A

For the "X" value in the part number:  
specify "A" for FG/WeldShield and "B" for FG/CarbonFiber

Width of the Velcro is 1.5" except part numbers indicated with (\*) which is .75".

## 1800°F / 982°C: InSilMax™ Silica Sleeve

### Extreme High Temperature; Heat, Flame, Molten Metal & Weld Splatter Resistant



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 1800°F / 982°C continuously with short excursions to 3000°F / 1650°C.
- 1/16" (.0625") / 1.6mm wall thickness
- Silica based materials provide burn-through protection from molten metal, weld splatter and grinding sparks.

1800°F / 982°C continuous rating, high insulation value & excellent personnel protection

### InSilMax™ Extreme Temperature Heat & Flame Resistant Silica Sleeve

Part Number	Size in / mm / -dash			Spool Length feet / metre	Price per Spool	Price per Foot / minimum
S-ISS-M006-04-X	.250	6	-04	1400 / 426	\$ 2,870.00	\$ 4.10
S-ISS-M010-06-X	.375	10	-06	1400 / 426	\$ 2,982.00	\$ 4.26
S-ISS-M013-08-X	.500	13	-08	1000 / 304	\$ 2,820.00	\$ 5.64
S-ISS-M016-10-X	.625	16	-10	900 / 274	\$ 2,808.00	\$ 6.24
S-ISS-M019-12-X	.750	19	-12	750 / 228	\$ 2,805.00	\$ 7.48
S-ISS-M022-14-X	.875	22	-14	650 / 198	\$ 2,717.00	\$ 8.36
S-ISS-M025-16-X	1.000	25	-16	500 / 152	\$ 2,658.33	\$ 10.64
S-ISS-M032-20-X	1.250	32	-20	450 / 137	\$ 2,673.00	\$ 12.88
S-ISS-M038-24-X	1.500	38	-24	350 / 106	\$ 2,643.67	\$ 15.10
S-ISS-M044-28-X	1.750	44	-28	300 / 91	\$ 2,629.00	\$ 17.52 / 15
S-ISS-M051-32-X	2.000	51	-32	250 / 76	\$ 2,630.00	\$ 21.04 / 10
S-ISS-M064-40-X	2.500	64	-40	225 / 68	\$ 2,614.50	\$ 25.24 / 10
S-ISS-M070-44-X	2.750	70	-44	50 / 15.2	\$ 1,459.63	\$ 32.43 / 15
S-ISS-M076-48-X	3.000	76	-48	200 / 60	\$ 2,604.00	\$ 32.76 / 10
S-ISS-M083-52-X	3.250	83	-52	50 / 15.2	\$ 1,510.33	\$ 33.21 / 15
S-ISS-M089-56-X	3.500	89	-56	190 / 57	\$ 2,598.57	\$ 33.56 / 10
S-ISS-M095-60-X	3.750	95	-60	50 / 15.2	\$ 1,661.43	\$ 34.46 / 15
S-ISS-M102-64-X	4.000	102	-64	50 / 15.2	\$ 1,697.21	\$ 35.66 / 15
S-ISS-M114-72-X	4.500	114	-72	50 / 15.2	\$ 1,734.84	\$ 37.33 / 15

For the "X" value, use "S" for Full Spool, use "F" for By-The-Foot

This Product is available By-The-Foot – minimums may apply

## 2000°F / 1093°C: InSilMax™ XT Silica Sleeve

Extreme High Temperature; Heat, Flame, Molten Metal & Weld Splatter Resistant



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and virtually no shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with short excursions to 3000°F / 1650°C.
- 1/16" (.0625") / 1.6mm wall thickness
- Silica based materials provide burn-through protection from molten metal, weld splatter and grinding sparks.

2000°F / 1093°C continuous rating, high insulation value & excellent personnel protection

InSilMax™ XT Extreme Temperature Heat & Flame Resistant Silica Sleeve						
Part Number	Size in / mm / -dash			Spool Length feet / metre	Price per Spool	Price per Foot / minimum
S-ISSXT-M006-04-X	.250	6	-04	1400 / 426	\$ 3,300.50	\$ 9.44
S-ISSXT-M010-06-X	.375	10	-06	1400 / 426	\$ 3,429.30	\$ 9.78
S-ISSXT-M013-08-X	.500	13	-08	1000 / 304	\$ 3,243.00	\$ 10.10
S-ISSXT-M016-10-X	.625	16	-10	900 / 274	\$ 3,229.20	\$ 11.67
S-ISSXT-M019-12-X	.750	19	-12	750 / 228	\$ 3,225.75	\$ 13.15
S-ISSXT-M022-14-X	.875	22	-14	650 / 198	\$ 3,124.55	\$ 13.58
S-ISSXT-M025-16-X	1.000	25	-16	500 / 152	\$ 3,057.08	\$ 14.12
S-ISSXT-M032-20-X	1.250	32	-20	450 / 137	\$ 3,073.95	\$ 18.14
S-ISSXT-M038-24-X	1.500	38	-24	350 / 106	\$ 3,040.22	\$ 18.78
S-ISSXT-M044-28-X	1.750	44	-28	300 / 91	\$ 3,023.35	\$ 21.57 / 15
S-ISSXT-M051-32-X	2.000	51	-32	250 / 76	\$ 3,024.50	\$ 24.20 / 10
S-ISSXT-M064-40-X	2.500	64	-40	225 / 68	\$ 3,006.68	\$ 29.03 / 10
S-ISSXT-M070-44-X	2.750	70	-44	50 / 15.2	\$ 1,677.23	\$ 37.29 / 15
S-ISSXT-M076-48-X	3.000	76	-48	200 / 60	\$ 2,994.60	\$ 37.67 / 10
S-ISSXT-M083-52-X	3.250	83	-52	50 / 15.2	\$ 1,736.88	\$ 38.19 / 15
S-ISSXT-M089-56-X	3.500	89	-56	190 / 57	\$ 2,988.36	\$ 38.60 / 10
S-ISSXT-M095-60-X	3.750	95	-60	50 / 15.2	\$ 1,910.65	\$ 39.63 / 15
S-ISSXT-M102-64-X	4.000	102	-64	50 / 15.2	\$ 1,951.79	\$ 41.01 / 15
S-ISSXT-M114-72-X	4.500	114	-72	50 / 15.2	\$ 1,995.07	\$ 42.93 / 15

For the "X" value, use "S" for Full Spool, use "F" for By-The-Foot

This Product is available By-The-Foot – minimums may apply



## 1000°F / 537°C: FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Sewn Sleeve High Temperature & Radiant Heat Reflective Sleeve



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This sleeve is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.

Constructed from a high-temperature base fabric which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The sleeve is fabricated from a roll fabric, and is sewn with a double lock-stitch seam utilizing high-temperature Kevlar thread. The resulting sleeve has a teardrop or tadpole profile when viewed on-end; the width of the sewn tail is typically 5/8" or 16mm. A sleeve with Velcro closure is available, making the sleeve installable on cables and hoses without having to disconnect them. The Velcro sleeve results in a circular sleeve profile when closed. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Sewn Sleeve		
Part Number	Inside Diameter inch / mm / dash#	Price per Foot 21oz/yd <sup>2</sup> / 35oz/yd <sup>2</sup>
S-RR-AL-FG-M013-08-X	0.50 / 13 / -08	\$ 5.48 / \$ 6.58
S-RR-AL-FG-M019-12-X	0.75 / 19 / -12	\$ 7.17 / \$ 8.60
S-RR-AL-FG-M025-16-X	1.00 / 25 / -16	\$ 8.87 / \$10.64
S-RR-AL-FG-M032-20-X	1.25 / 32 / -20	\$ 10.48 / \$ 12.57
S-RR-AL-FG-M038-24-X	1.50 / 38 / -24	\$ 12.17 / \$ 14.60
S-RR-AL-FG-M044-28-X	1.75 / 44 / -28	\$ 13.87 / \$ 16.64
S-RR-AL-FG-M051-32-X	2.00 / 51 / -32	\$ 15.53 / \$ 18.63
S-RR-AL-FG-M064-40-X	2.50 / 64 / -40	\$ 18.97 / \$ 22.76
S-RR-AL-FG-M076-48-X	3.00 / 76 / -48	\$ 22.29 / \$ 26.75
S-RR-AL-FG-M089-56-X	3.50 / 89 / -56	\$ 25.68 / \$ 30.82
S-RR-AL-FG-M102-64-X	4.00 / 102 / -64	\$ 28.97 / \$ 34.76
Other sizes available – please enquire		

For the X value: specify "21" for construction from 21 oz/yd<sup>2</sup> fabric; specify "35" for construction from 35 oz/yd<sup>2</sup> fabric

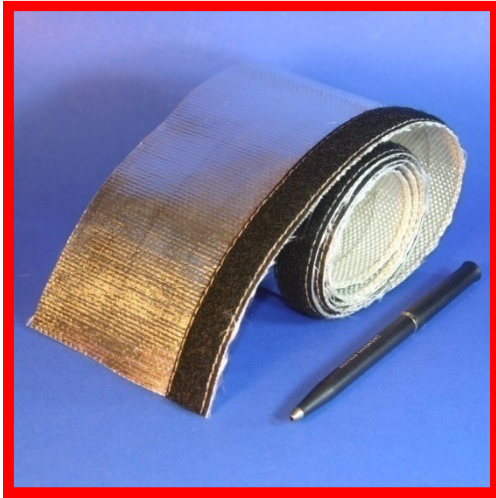
Note: The aluminum adhesion on the 35oz fabric is not as high as on the 21oz fabric, and some perforation separation of the aluminum will occur due to folding or flexing of the material.

**This Product is Available By-The-Foot**



## 1000°F / 537°C: Heat Reflective Sleeve with Velcro Closure

### Aluminum Foil Coated Fiberglass High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric is rated for continuous operation at 1000°F / 537°C.
- This sleeve is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Velcro closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.

Constructed from a high-temperature base fabric which is then laminated coated with highly-reflective polished aluminum. Designed for long term continuous operation at 650°F / 343°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The sleeve is fabricated from a roll fabric, and is then sewn with Velcro tape, allowing this sleeve to be installed and removed with disconnection of wiring, cables, hose and pipe. Sewing is performed with Kevlar or Fiberglass thread. The Velcro sleeve results in a circular sleeve profile when closed. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers for EAF (Electric Arc Furnace) Cable Covers, Festoon covers, robotic welding machine covers, etc.

Aluminum Foil Coated Fiberglass Radiant Heat Protection Sleeve with Velcro		
Part Number	Inside Diameter inch / mm / dash#	Price / Foot 21oz/yd <sup>2</sup> / 35oz/yd <sup>2</sup>
S-RR-AL-FG-VCL-M019-12-X	0.75 / 19 / -12	\$ 11.17 / \$ 13.40
S-RR-AL-FG-VCL-M025-16-X	1.00 / 25 / -16	\$ 12.87 / \$ 15.44
S-RR-AL-FG-VCL-M032-20-X	1.25 / 32 / -20	\$ 14.48 / \$ 17.37
S-RR-AL-FG-VCL-M038-24-X	1.50 / 38 / -24	\$ 16.17 / \$ 19.40
S-RR-AL-FG-VCL-M044-28-X	1.75 / 44 / -28	\$ 17.87 / \$ 21.44
S-RR-AL-FG-VCL-M051-32-X	2.00 / 51 / -32	\$ 19.53 / \$ 23.44
S-RR-AL-FG-VCL-M064-40-X	2.50 / 64 / -40	\$ 22.97 / \$ 27.56
S-RR-AL-FG-VCL-M076-48-X	3.00 / 76 / -48	\$ 26.29 / \$ 31.55
S-RR-AL-FG-VCL-M089-56-X	3.50 / 89 / -56	\$ 29.68 / \$ 35.62
S-RR-AL-FG-VCL-M102-64-X	4.00 / 102 / -64	\$ 32.97 / \$ 39.56
Other sizes available – please enquire		

For the X value: specify "21" for construction from 21 oz/yd<sup>2</sup> fabric; specify "35" for construction from 35 oz/yd<sup>2</sup> fabric

**This Product is Available By-The-Foot**

## 1000°F / 537°C: Stainless Steel Coated Fiberglass Sleeve with Velcro Closure High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 1000°F / 537°C.
- This sleeve is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Velcro closure allows the sleeve to be installed and removed from wire, cable, hose and pipe without disconnection.

Constructed from a high-temperature base fabric which is then coated with a layer of 0.002" thick polished stainless steel. Designed for long term continuous operation at 1000°F / 537°C this sleeve will withstand short duration exposure to higher temperatures. The stainless steel foil melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to higher temperatures.

The sleeve is fabricated from a roll fabric, and is then sewn with Velcro tape, allowing this sleeve to be installed and removed with disconnection of wiring, cables, hose and pipe. Sewing is performed with Kevlar or Fiberglass thread. The Velcro sleeve results in a circular sleeve profile when closed. Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers for EAF (Electric Arc Furnace) Cable Covers, Festoon covers, robotic welding machine covers, etc.

Fiberglass with Stainless Steel Foil Coating Radiant Heat Protection Sleeve with Velcro		
Part Number	Inside Diameter inch / mm / dash#	Price per Foot
S-RR-SS-FG-VCL-M019-12	0.75 / 19 / -12	\$ 11.17
S-RR-SS-FG-VCL-M025-16	1.00 / 25 / -16	\$ 12.87
S-RR-SS-FG-VCL-M032-20	1.25 / 32 / -20	\$ 14.48
S-RR-SS-FG-VCL-M038-24	1.50 / 38 / -24	\$ 16.17
S-RR-SS-FG-VCL-M044-28	1.75 / 44 / -28	\$ 17.87
S-RR-SS-FG-VCL-M051-32	2.00 / 51 / -32	\$ 19.53
S-RR-SS-FG-VCL-M064-40	2.50 / 64 / -40	\$ 22.97
S-RR-SS-FG-VCL-M076-48	3.00 / 76 / -48	\$ 26.29
S-RR-SS-FG-VCL-M089-56	3.50 / 89 / -56	\$ 29.68
S-RR-SS-FG-VCL-M102-64	4.00 / 102 / -64	\$ 32.97
Other sizes available – please enquire		

**This Product is Available By-The-Foot**

## 2500°F / 1371°C: Stainless Steel Metal Braided Sleeve – Hose Size Heavy Duty HoseSaver™ / CableSaver™



- Designed for common hose sizes. Made from 304L Stainless Steel. 321 and 316 Stainless Available.
- Excellent Abrasion Protection.
- EMI / RFI Gasket & Sleeve.
- Provides Blow-out protection for hydraulic hoses.
- Provides rodent protection for burial cables and hoses.
- Also available in Bronze, Monel, Inconel and Hastelloy.
- Braid angle allows for small amount of size expansion or compression.
- Clamps or tape can hold sleeve tight to underlying wire, cable or hose.

### 304L Tubular Stainless Steel Braided Sleeve HoseSaver™ / CableSaver™

Part Number	Actual Size I.D. inch / mm	“Hose” Size inch / mm		Braid coverage %	Weight per foot in lbs.	Price per Foot
S-SSHS-M006-04	0.50 / 13	1/4"	6	89	.08	\$ 7.21
S-SSHS-M010-06	0.67 / 17	3/8"	10	91	.12	\$ 7.87
S-SSHS-M013-08	0.82 / 21	1/2"	13	82	.16	\$ 8.75
S-SSHS-M019-12	1.21 / 31	3/4"	19	90	.20	\$ 10.12
S-SSHS-M025-16	1.51 / 38	1"	25	85	.23	\$ 13.34
S-SSHS-M032-20	1.85 / 47	1 1/4"	32	83	.31	\$ 13.50
S-SSHS-M035-24	2.19 / 55	1 1/2"	35	87	.40	\$ 16.87
S-SSHS-M051-32	2.60 / 66	2	51	89	.62	\$ 18.00
S-SSHS-M063-40	3.23 / 82	2 1/2	63	86	.70	\$ 19.13
S-SSHS-M076-48	3.78 / 96	3	76	85	.80	\$ 20.25
S-SSHS-M101-64	4.85 / 123	4	101	84	1.00	\$ 22.50
S-SSHS-M127-80	5.90 / 150	5	127	74	1.25	\$ call
S-SSHS-M152-96	6.87 / 174	6	152	90	1.60	\$ call
S-SSHS-M203-128*	9.09 / 231	8	203	96	3.87	\$ call
S-SSHS-M254-160*	11.18 / 284	10	254	98	6.05	\$ call
S-SSHS-M305-192*	13.23 / 336	12	305	97	5.81	\$ call
S-SSHS-M355-224*	14.70 / 373	14	355	99	7.89	\$ call

This Product is Available By-The-Foot

A note about sizes: The “Hose” sizes refer to the nominal hose size. For example: a 1/4” “Hose” size nominal braided stainless sleeve is actually 0.48” ID, which would be the nominal OD of a 1/4” hose. For “standard” size stainless sleeve see page 1-44.

\* Braided braid

## 1200°F / 648°C: Solid Wall Stainless Steel Flexible Sleeve



- Annular corrugated construction provides ability to easily flex and bend, compress and expand.
- Excellent abrasion and splash Protection.
- EMI / RFI Shield.
- Provides Blow-out protection for hydraulic hoses.
- Provides rodent protection for burial cables and hoses.
- Wires cables and hoses can be spiral wrapped with tapes prior to insertion for insulation spacing to the sidewall.
- Range of fittings and connection flanges available to terminate sleeve onto metalwork, bulkheads, etc.
- Available in Bronze, Monel, Inconel & Hastelloy

Solid Wall Stainless Steel Flexible Sleeve							
Part Number	Nominal ID inch / mm		Min Bend Radius inch		Weight per foot	Price per Foot	Mill Lengths feet
			Static / Dynamic				
S-SS-M008-04	.32	8	4	6	0.09	\$ 6.83 *	30-100
S-SS-M011-06	.42	11	2	4	0.12	\$ 7.73	30-100
S-SS-M013-08	.52	13	3	5	0.16	\$ 7.90	30-100
S-SS-M020-12	.81	20	4	6	0.26	\$ 10.23	30-100
S-SS-M026-16	1.03	26	4.5	7	0.36	\$ 14.27	30-100
S-SS-M033-20	1.30	33	4	11	0.45	\$ 17.27	30-60
S-SS-M039-24	1.53	39	4.5	12	0.48	\$ 19.70	30-60
S-SS-M052-32	2.05	52	5	13	0.70	\$ 24.97	30-60
S-SS-M066-40	2.61	66	5	13	1.28	\$ 40.13	7-20
S-SS-M079-48	3.10	79	7.5	16	1.53	\$ 43.97	7-20
S-SS-M089-64	3.50	89	8	17	1.65	\$ 54.50 *	7-20
S-SS-M101-80	3.98	101	10	20	1.95	\$ 54.30	7-20
S-SS-M128-96	5.03	128	12	24	2.76	\$ 88.67	7-20
S-SS-M152-128	5.98	152	15	30	3.34	\$ 92.87	7-20
S-SS-M202-160	7.96	202	20	40	5.32	\$ 161.60	5-12
S-SS-M248-192	9.78	248	25	50	8.71	\$ 198.85	5-12
S-SS-M299-224	11.76	299	30	60	11.58	\$ 231.68	5-12
S-SS-M346-224	13.62	346	35	70	14.57	\$ 753.47	5-12

This Product is Available By-The-Foot

Supplied in 304SS as standard. Except (\*) supplied in 321SS

Also Available in 321 & 316 Stainless, Bronze, Monel, Inconel and Hastelloy, please call for pricing

## 1200°F / 648°C: Stainless Steel Hollow Mesh Sleeve



- **Excellent Compressability**
- **Provides abrasion protection**
- **Excellent EMI / RFI Gasket**

304 Stainless Steel Hollow Mesh Sleeve				
ID Size inch / mm		Part Number	List Price per Foot	Feet per Carton
1/4"	6	S-SSMS-M006-04	\$ 1.60	1000
3/8"	10	S-SSMS-M010-06	\$ 1.70	1000
1/2"	13	S-SSMS-M013-08	\$ 2.13	1500
1 1/8"	29	S-SSMS-M029-18	\$ 3.53	1000

Please call for additional discount pricing when ordering more than 2 cartons.

## 375°F / 190°C: Abrasion Protection Sleeve

### Scuff-Sleeve™: for Hose, Wire and Cable



- Abrasion resistance sleeve for hoses, wires and cables.
- Exceeds the new "Line of Sight" operator protection regulations EN982 ISO norm 833 EN414 for hose blowout.
- Ultra tight weave provides leak containment.
- Tight weave and smooth surface resists abrasive wear.
- Less bulky than older cordura sleeves.
- Nylon 6 provides excellent UV protection.
- MSHA approved.
- Exceeds ISO 6945 abrasion standard and ISO 8031 conductivity standard.
- Easily cut to length or cut with heat knife.
- Useable -60°F to +375°F.
- Also available as a Sleeve with Velcro for easy retrofit onto wires, cables or hoses that are already in place.

Helps to organize and bundle hoses and cables, while proving heat resistance to a maximum of 375°F continuous duty, and provides excellent abrasion, scuff and wear resistance.

<b>Scuff-Sleeve™ Nylon Abrasion Protection Sleeve</b>				
<b>Part Number</b>	<b>ID Size inch / mm / -dash</b>			<b>Price per Foot / Metre</b>
S-APS-M017-11	0.67	17	-11	\$ 1.52 / \$ 4.98
S-APS-M020-13	0.79	20	-13	\$ 1.57 / \$ 5.15
S-APS-M023-15	0.91	23	-15	\$ 1.62 / \$ 5.31
S-APS-M024-16	0.96	24	-16	\$ 1.79 / \$ 5.87
S-APS-M026-17	1.06	26	-17	\$ 1.88 / \$ 6.17
S-APS-M030-20	1.22	30	-20	\$ 1.97 / \$ 6.46
S-APS-M036-23	1.42	36	-23	\$ 2.13 / \$ 6.99
S-APS-M039-26	1.57	39	-26	\$ 2.28 / \$ 7.48
S-APS-M043-28	1.73	43	-28	\$ 2.43 / \$ 7.97
S-APS-M047-30	1.85	47	-30	\$ 2.74 / \$ 8.98
S-APS-M055-35	2.17	55	-35	\$ 3.16 / \$ 10.37
S-APS-M059-38	2.36	59	-38	\$ 3.43 / \$ 11.25
S-APS-M072-46	2.87	72	-46	\$ 4.67 / \$ 15.32
S-APS-M074-48	2.95	74	-48	\$ 5.67 / \$ 18.60
S-APS-M092-59	3.66	92	-59	\$ 5.80 / \$ 19.03
S-APS-M125-80	4.94	125	-80	\$ 9.77 / \$ 32.05

Sold in standard lengths of 100 and 300 feet.

Other lengths may be available: please enquire.

This sleeve is non-expandable – please measure your application carefully.



## 375°F / 190°C: Abrasion Protection & General Organizing Sleeve

### Scuff-Sleeve™ VC, with Velcro: for Wire, Cable and Hose



- Abrasion resistance for hoses, wire and cables.
- Sleeve with Velcro for easy retrofit.
- Several fabric types for particular applications.

HD Nylon sleeve is made from 1050 denier nylon (very heavy duty "ballistic" nylon) which has a 1.5oz urethane coating. Temperature range -60°C to +375°F. Very Good UV protection. This is our most popular abrasion protection sleeve.

Nylon sleeve is 1000 denier with 7 oz urethane coating. Temperature range -60°C to +375°F. Excellent UV protection.

PVC/Nylon sleeve is a heavy flexible PVC over a 1000 denier base fabric. Tough protection for cables and hoses used on the ground, for construction equipment, drill rigs, etc. Temperature range -13°F / -25°C to +158°F / 70°C. Very good UV protection.

Sold in 25 foot increments up to 150 feet continuous rolls. Available in standard sizes; larger or custom sizes can be easily fabricated if required. Helps to organize and bundle hoses and cables, excellent abrasion, scuff and wear resistance.

Scuff-Sleeve™ VC: Abrasion Protection Sleeve with Velcro						
Part Number	Size inch / mm / -dash			Price per Foot		
				Nylon x = "A"	HD Nylon x = "B"	PVC/Nylon x = "C"
*S-APS-VCL-M025-16-X	1.00	25	-16	\$ 5.93	\$ 8.52	\$ 10.20
*S-APS-VCL-M038-24-X	1.50	38	-24	\$ 7.90	\$ 10.04	N/A
S-APS-VCL-M044-28-X	1.75	44	-28	\$ 8.53	N/A	N/A
S-APS-VCL-M051-32-X	2.00	51	-32	\$ 8.82	\$ 12.88	\$ 11.36
S-APS-VCL-M060-38-X	2.38	60	-38	\$ 9.32	\$ 13.31	\$ 12.28
S-APS-VCL-M064-40-X	2.50	64	-40	\$ 9.85	N/A	\$ 13.08
S-APS-VCL-M070-44-X	2.75	70	-44	\$ 10.20	\$ 14.80	N/A
S-APS-VCL-M076-48-X	3.00	76	-48	\$ 10.48	\$ 14.96	\$ 13.52
S-APS-VCL-M083-52-X	3.25	83	-52	\$ 11.76	N/A	\$ 14.72
S-APS-VCL-M089-56-X	3.50	89	-56	\$ 12.53	\$ 16.88	\$ 15.84
S-APS-VCL-M102-64-X	4.00	102	-64	\$ 13.07	\$ 16.96	\$ 13.96
S-APS-VCL-M114-72-X	4.50	114	-72	\$ 14.08	N/A	\$ 16.76
S-APS-VCL-M127-80-X	5.00	127	-80	\$ 15.37	\$ 20.60	\$ 17.06
S-APS-VCL-M152-96-X	6.00	152	-96	\$ 16.51	\$ 21.87	\$ 17.20
S-APS-VCL-M178-112-X	7.00	165	-104	\$ 19.47	\$ 26.80	\$ 20.88
S-APS-VCL-M203-128-X	8.00	203	-128	\$ 22.88	\$ 31.56	\$ 21.43
#S-APS-VCL-M241-152-X	9.50	241	-152	\$ 31.48	N/A	N/A
S-APS-VCL-M305-192-X	12.00	305	-192	N/A	\$ 50.53	\$ 36.63

For the "X" value in the part number: "A" for Nylon  
 "B" for HD Nylon  
 "C" for PVC Coated Nylon

Width of the Velcro is 1.5" except part numbers indicated with (\*) which is .75".

#: sleeve length is 12 foot sections.

## 662°F / 350°C: FlameGuard™ Nomex® Braided Sleeve

### Premium Grade

### High Temperature, Heat & Flame Resistant Expandable Sleeve



- Soft and pliable.
- Halogen & asbestos free.
- 90,000 psi tensile strength.
- Cuts easily to length with scissors. Braid angle allows this sleeve to expand slightly to accommodate irregular surfaces and turns, splices and in-line connectors.
- Available in natural and green color.
- .016" wall thickness.

662°F / 350°C continuous rating, high insulation value & excellent personnel protection

FlameGuard™ High Temperature & Heat Resistant Braided Nomex® Sleeve - Premium			
Part Number	Nominal ID	Size Range	Price per Spool 100ft / 25ft
S-BN-M003-02-X-Y	1/8"	1/16" to 1/4"	\$ 44.66 / \$ 23.53
S-BN-M006-04-X-Y	¼"	1/8" to 5/16"	\$ 180.25 / \$ 57.76
S-BN-M008-05-X-Y	5/16"	7/32" to 7/16"	\$ 209.75 / \$ 64.90
S-BN-M010-06-X-Y	3/8"	¼" to ½"	\$ 240.00 / \$ 72.51
S-BN-M013-08-X-Y	½"	5/16" to 5/8"	\$ 326.06 / \$ 94.05
S-BN-M016-10-X-Y	5/8"	7/16" to 7/8"	\$ 415.33 / \$ 116.24
S-BN-M019-12-X-Y	¾"	9/16" to 1"	\$ 512.06 / \$ 140.52
S-BN-M025-16-X-Y	1"	¾" to 1 1/8"	\$ 865.75 / \$ 228.97
S-BN-M032-20-X-Y	1 ¼"	1" to 1 ½"	\$ 1250.25 / \$ 325.43
S-BN-M038-24-X-Y	1 ½"	1 ¼" to 1 ¾"	\$ 1442.75 / \$ 373.60
S-BN-M044-28-X-Y	1 ¾"	1 ½" to 2"	\$ 1707.22 / \$ 439.67

For the "X" value, use "100" for 100 foot spool, use "25" for 25 foot spool

For the "Y" value, use "NT" natural color, use "GN" for green color

Please call for additional discount pricing when ordering multiple spools.

**This Product is NOT Available By-The-Foot – Spools Only**

## 320°F / 160°C: FlameGuard™ Kevlar® Braided Sleeve Premium Grade High Temperature & Heat Resistant High Strength Expandable Sleeve



- Soft and pliable.
- Halogen & asbestos free.
- 20 times stronger than steel.
- Cuts easily to length with scissors. Braid angle allows this sleeve to expand slightly to accommodate irregular surfaces and turns, splices and in-line connectors.
- Available in natural (yellow) color.
- .016" wall thickness.

320°F / 160°C continuous rating, high insulation value & excellent personnel protection

FlameGuard™ High Temperature & Heat Resistant Braided Kevlar® Sleeve - Premium				
Part Number	Nominal ID	Size Range	Spool Length	Price per Spool
			Bulk / Small	Bulk Spool / Small Spool
S-BK-M006-04-X	1/4"	1/8" to 5/16"	500 / 50	\$ 291.25 / \$ 42.37
S-BK-M013-08-X	1/2"	5/16" to 5/8"	250 / 50	\$ 373.76 / \$ 87.25
S-BK-M019-12-X	3/4"	9/16" to 1"	250 / 50	\$ 561.24 / \$ 124.75
S-BK-M025-25-X	1"	3/4" to 1 1/8"	200 / 25	\$ 599.21 / \$ 87.37
S-BK-M032-20-X	1 1/4"	1" to 1 1/2"	125 / 25	\$ 467.54 / \$ 106.43
S-BK-M038-24-X	1 1/2"	1 1/4" to 1 3/4"	100 / 25	\$ 516.75 / \$ 141.70
S-BK-M044-28-X	2"	1 1/2" to 2"	100 / 25	\$ 801.37 / \$ 212.75

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

Please call for additional discount pricing when ordering multiple spools.

**This Product is NOT Available By-The-Foot – Spools Only**

## 2300°F / 1260°C: CerMax™ Braided Sleeve

### Premium Grade

### High Temperature & Heat Resistant Sleeve



- Soft and pliable.
- Asbestos free.
- Cuts easily to length with scissors. This sleeve does not expand.
- Highest temperature rated sleeve available.

2300°F / 1260°C continuous rating, high insulation value

CerMax™ High Temperature & Heat Resistant Braided Ceramic Fiber Sleeve - Premium			
Part Number	Nominal ID	Spool Length Ft	Price per Spool
S-CF-M003-02	1/8"	200	\$ 2620.43
S-CF-M006-04	1/4"	200	\$ 5445.72
S-CF-M010-06	3/8"	200	\$ 7030.68
S-CF-M013-08	1/2"	100	\$ 5035.17
S-CF-M019-12	3/4"	100	\$ 5537.50

Please call for additional discount pricing when ordering multiple spools.

**This Product is NOT Available By-The-Foot – Spools Only**

## 302°F / 150°C: FlameGuard™ EMI Shield Sleeve



- Lightweight
- Extreme Flexibility
- Excellent EMI Shielding 1 MHz to 1 GHz
- Aramid fiber with conductivity
- Expandability
- Approximate 20% attenuation at maximum expanded diameter

- End-to-end shielding solution



FlameGuard™ EMI Shield Sleeve						
Part Number	ID Size inch / mm		Expansion Range		Feet per Spool	Price per Spool
S-EMI-M003-02	1/8"	3	1/16	1/4	164	\$ 1234.92
S-EMI-M010-06	3/8"	10	1/4	1/2	164	\$ 1805.64
S-EMI-M013-08	1/2"	13	3/8	3/4	164	\$ 2091.13
S-EMI-M019-12	3/4"	19	1/2	1	164	\$ 2509.20

**Not available By-The-Foot**

## 1000°F / 537°C: FlameGuard™ Aluminum Coated Fiberglass Heat Reflective Split Sleeve with Adhesive Closure



- Split Sleeve fiberglass
- Aluminum Heat Reflecting Coating
- Adhesive strip closure
- Cuts cleanly
- Protects wiring or hoses from radiant and convective heat.
- Excellent automotive under-hood protection.
- .042" wall thickness. 4 foot lengths.

FlameGuard™ Heat Reflective Sleeve with Adhesive Closure			
Part Number	ID Size inch / mm		Price per Section
S-RR-AL-FG-ACL-M006-04	1/4"	6	\$ 7.33
S-RR-AL-FG-ACL-M010-06	3/8"	10	\$ 12.16
S-RR-AL-FG-ACL-M013-08	1/2"	13	\$ 15.60
S-RR-AL-FG-ACL-M016-10	5/8"	16	\$ 18.53
S-RR-AL-FG-ACL-M019-12	3/4"	19	\$ 22.33
S-RR-AL-FG-ACL-M025-16	1"	25	\$ 26.30
S-RR-AL-FG-ACL-M032-20	1 1/4"	32	\$ 31.43
S-RR-AL-FG-ACL-M038-24	1 1/2"	38	\$ 36.40
S-RR-AL-FG-ACL-M051-32	2"	51	\$ 48.53

### Not available By-The-Foot

This sleeve is non-expandable – please measure your application carefully.



## 1000°F / 537°C: FlameGuard™ Aluminum Foil Coated Heat Reflecting Fiberglass Sleeve

### High Temperature & Radiant Heat Reflective Sleeve



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This sleeve is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Wall thickness .025".

This high temperature and radiant heat reflective sleeve is constructed from a high-temperature fine braid fiberglass sleeve, which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C.

Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Sleeve			
Part Number	Inside Diameter inch / mm / dash#	Spool Length, feet	Price per Foot Bulk Spool / Small Spool
		Bulk / Small	
S-RR-AL-FGFB-M013-08-X	0.50 / 13 / -08	250 / 100	\$ 1.63 / \$ 1.79
S-RR-AL-FGFB-M016-10-X	0.62 / 16 / -10	250 / 100	\$ 2.43 / \$ 2.60
S-RR-AL-FGFB-M019-12-X	0.75 / 19 / -12	250 / 100	\$ 2.85 / \$ 3.02
S-RR-AL-FGFB-M022-14-X	0.87 / 22 / -14	250 / 100	\$ 3.29 / \$ 3.46
S-RR-AL-FGFB-M025-16-X	1.00 / 25 / -16	250 / 100	\$ 3.51 / \$ 3.68
S-RR-AL-FGFB-M032-20-X	1.25 / 32 / -20	250 / 100	\$ 4.39 / \$ 4.56
S-RR-AL-FGFB-M038-24-X	1.50 / 38 / -24	250 / 100	\$ 4.83 / \$ 4.99
S-RR-AL-FGFB-M044-28-X	1.75 / 44 / -28	100 / 50	\$ 6.37 / \$ 6.70
S-RR-AL-FGFB-M051-32-X	2.00 / 51 / -32	100 / 50	\$ 7.90 / \$ 8.24
S-RR-AL-FGFB-M064-40-X	2.50 / 64 / -40	100 / 50	\$ 11.23 / \$ 11.57

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

**This Product is Not available By-The-Foot**

## 1000°F / 537°C: FlameGuard™ Aluminum Foil Coated Heat Reflecting Fiberglass Sleeve – Convoluted High Bulk High Temperature & Radiant Heat Reflective Sleeve



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C. High bulk with highest insulation value of all our heat reflecting sleeves.
- This sleeve provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Wall thickness .045". Sleeve is supplied in a 4 foot length only.

This high temperature and radiant heat reflective sleeve is constructed from a high-temperature fine braid fiberglass sleeve, which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C.

Added protection can be achieved by layering with other sleeve materials underneath the reflective layer.

FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Convoluted Sleeve		
Part Number	Inside Diameter inch / mm / dash#	Price per Section
S-RR-AL-FGCS-M013-08-X	0.50 / 13 / -08	\$ 11.50
S-RR-AL-FGCS-M016-10-X	0.62 / 16 / -10	\$ 14.03
S-RR-AL-FGCS-M019-12-X	0.75 / 19 / -12	\$ 15.40
S-RR-AL-FGCS-M025-16-X	1.00 / 25 / -16	\$ 19.17
S-RR-AL-FGCS-M032-20-X	1.25 / 32 / -20	\$ 23.17

**This Product is only available in 4 foot length sections**

## 1000°F / 537°C: FlameGuard™ Aluminum Foil Coated Heat Reflecting Fiberglass Tape Wrap; with adhesive strip High Temperature & Radiant Heat Reflective Sleeve



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape wrap has a high temperature adhesive strip along its length, allowing the tape to be wrapped and formed into a sleeve around wires, cables or hoses.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Wall thickness .025".

This high temperature and radiant heat reflective tape wrap is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C.

Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Tape Wrap for Sleeve Formation				
Part Number	Nominal Inside Diameter inch / mm / dash#	Tape Width	Spool Length, feet Bulk / Small	Price per Foot Bulk Spool / Small Spool
S-RR-AL-FGTW-M013-08-X	0.50 / 13 / -08	1.5"	200 / 100	\$ 2.76 / \$ 2.93
S-RR-AL-FGTW-M019-12-X	0.75 / 19 / -12	2.25"	200 / 100	\$ 3.47 / \$ 3.63
S-RR-AL-FGTW-M025-16-X	1.00 / 25 / -16	3.75"	200 / 100	\$ 5.17 / \$ 5.34
S-RR-AL-FGTW-M032-20-X	1.25 / 32 / -20	4.5"	200 / 100	\$ 6.27 / \$ 6.44
S-RR-AL-FGTW-M038-24-X	1.50 / 38 / -24	5.25"	200 / 100	\$ 7.38 / \$ 7.55
S-RR-AL-FGTW-M044-28-X	1.75 / 44 / -28	6"	100 / 50	\$ 8.83 / \$ 9.17
S-RR-AL-FGTW-M051-32-X	2.00 / 51 / -32	6.5"	100 / 50	\$ 9.73 / \$ 10.07
S-RR-AL-FGTW-M064-40-X	2.25 / 57 / -36	7.5"	100 / 50	\$ 12.33 / \$ 12.67

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

This Product is Available By-The-Foot

## 2500°F / 1371°C: Stainless Steel Metal Braided Sleeve Standard Size



- “Standard” size stainless braid sleeve: an alternative to “Hose” size sleeve.
- Flexible size – can expand or shrink by approx 25%.
- Excellent Abrasion Protection.
- EMI / RFI Gasket & Sleeve.
- Provides Blow-out protection for hydraulic hoses.
- Provides rodent protection for burial cables and hoses.
- Clamps or tape can hold sleeve tight to underlying wire, cable or hose if needed.

### “Standard” Size 304L Tubular Stainless Steel Braided Sleeve HoseSaver™ / CableSaver™

Part Number	ID Size inch / mm		Range Inch	Wall Thickness	Spool Length, feet Bulk / Small Spool	Price per Foot Bulk / Small Spool
S-SSBS-M006-04	1/4"	6	3/16 – 13/32	.013	250 / 100	\$ 3.20 / \$ 3.50
S-SSBS-M010-06	3/8"	10	¼ - 5/8	.013	250 / 100	\$ 3.46 / \$ 3.78
S-SSBS-M013-08	1/2"	13	3/8 – 3/4	.013	100 / 50	\$ 5.67 / \$ 6.34
S-SSBS-M019-12	3/4"	19	½ - 1 1/4	.013	100 / 50	\$ 6.87 / \$ 7.53
S-SSBS-M025-16	1"	25	5/8 – 1 5/16	.025	100 / 50	\$ 9.10 / \$ 9.78
S-SSBS-M032-20	1 1/4"	32	¾ - 1 3/4	.025	100 / 50	\$ 12.77 / \$ 13.43
S-SSBS-M035-24	1 1/2"	35	1 – 2 1/8	.025	100 / 50	\$ 17.17 / \$ 17.82

This Product is Available Full Spool Only

For “Hose” size stainless sleeve see page 1-31.

\* Braided braid

**Standard Sleeving Sizes: Inside Diameter and Wall Thickness Specifications  
For FS-SD, SBSPT, SBSHTB & EBS Sleeve**

AWG Size	Nominal Size				Inside Diameter				Wall Thickness	
	AWG	in.	mm.	dash	Min / Max inches		Min / Max millimeter		In.	mm.
AWG 24	24	0.022	0.56	NA	0.020	0.027	0.508	0.685	0.011	0.279
AWG 22	22	0.027	0.69	NA	0.025	0.032	0.638	0.812	0.013	0.330
AWG 20	20	0.034	0.86	NA	0.032	0.039	0.812	0.990	0.013	0.330
AWG 19	19	0.038	0.96	NA	0.036	0.044	0.914	1.117	0.013	0.330
AWG 18	18	0.042	1.07	NA	0.040	0.049	1.016	1.244	0.015	0.381
AWG 17	17	0.047	1.19	NA	0.045	0.054	1.143	1.371	0.015	0.381
AWG 16	16	0.053	1.35	NA	0.051	0.061	1.295	1.549	0.015	0.381
AWG 15	15	0.059	1.50	NA	0.057	0.067	1.447	1.701	0.015	0.381
AWG 14	14	0.066	1.68	-01	0.064	0.074	1.625	1.879	0.015	0.381
AWG 13	13	0.076	1.93	NA	0.072	0.082	1.828	2.087	0.015	0.381
AWG 12	12	0.085	2.16	NA	0.081	0.091	2.057	2.311	0.015	0.381
AWG 11	11	0.095	2.41	NA	0.091	0.101	2.311	2.565	0.018	0.457
AWG 10	10	0.106	2.69	NA	0.102	0.112	2.59	2.844	0.018	0.457
AWG 9	9	0.118	3.10	NA	0.114	0.124	2.895	3.149	0.018	0.457
AWG 8	8	0.133	3.38	-02	0.129	0.141	3.276	3.581	0.018	0.457
AWG 7	7	0.148	3.76	NA	0.144	0.158	3.657	4.013	0.018	0.457
AWG 6	6	0.166	4.22	NA	0.162	0.178	4.114	4.521	0.020	0.508
AWG 5	5	0.186	4.72	-03	0.182	0.198	4.622	5.029	0.020	0.508
AWG 4	4	0.208	5.28	NA	0.204	0.224	5.181	5.689	0.020	0.508
AWG 3	3	0.234	5.94	NA	0.229	0.249	5.816	6.324	0.020	0.508
AWG 2	2	0.263	6.68	-04	0.258	0.278	6.553	7.061	0.020	0.508
AWG 1	1	0.294	7.47	NA	0.289	0.311	7.340	7.899	0.020	0.508
05	5/16	0.313	7.95	-05	0.312	0.334	7.924	8.483	0.020	0.508
AWG 0	0	0.330	8.38	NA	0.325	0.347	8.255	8.813	0.025	0.635
06	3/8	0.375	9.52	-06	0.375	0.399	9.525	10.134	0.025	0.635
07	7/16	0.438	11.12	-07	0.438	0.462	11.12	11.734	0.025	0.635
08	1/2	0.500	12.70	-08	0.500	0.524	12.70	13.309	0.025	0.635
10	5/8	0.625	15.87	-10	0.625	0.655	15.87	16.637	0.025	0.635
12	3/4	0.750	19.05	-12	0.750	0.786	19.05	19.964	0.025	0.635
14	7/8	0.875	22.22	-14	0.875	0.911	22.22	23.139	0.025	0.635
16	1	1.000	25.40	-16	1.000	1.036	25.00	26.314	na	





# Tape & Tadpole Tape

## Tapes

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# High Temperature, Heat, Flame, Fire, Molten Metal & Weld Splatter Protection Materials

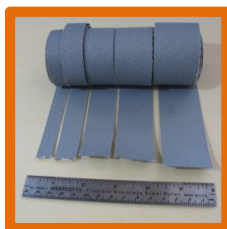
Fax Orders: 610-340-9054

Telephone Orders: 610-906-3549

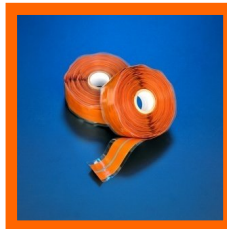
orders@abthermal.com



1 Side Coated  
Tape & Wrap.  
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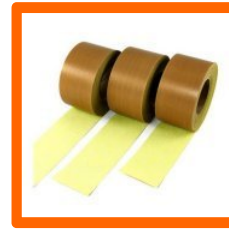
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High Temperature  
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Skived PTFE Tape  
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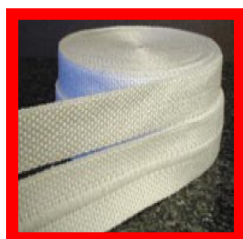
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Very High  
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Temperature Tape.  
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PowerTorque  
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Exhaust Tapes.  
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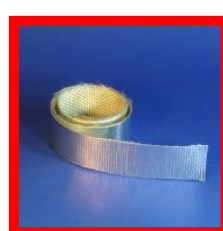
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InSiMax Tapes:  
Slit, Folded &  
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Extreme Heat  
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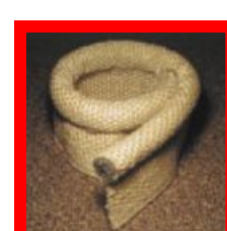
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Very High Temperature  
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Very High  
Temperature  
Tadpole Tape.  
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Pressure Sensitive  
Adhesive Spray  
Page 2-28

**500°F / 260°C: Silicone Rubber Coated Knitted Fiberglass Tape****Non-Adhesive****High Temperature, Heat & Flame Resistant Industrial Tape & Wrap**

- FlameGuard™ Industrial Tape & Wrap, available in 1" width increments up to 5 inches, is made from a knitted base material. This tape has an approximate 5% elongation capability in the lengthwise direction and 15% in the width wise direction, making for easy installations due to its self compressive characteristic when slightly stretched during wrapping. Tape is 0.142" / 3.6mm thick nominal.
- A Heavy Duty version Tape & Wrap (part number AB-FTHD), available in widths from ½" through 40" wide, is made from our heaviest grade 98 oz/yd<sup>2</sup> woven material. Due to the base material being woven instead of knitted, the FTHD tape has negligible elongation capability in all directions.
- Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

<b>FlameGuard™ High Temperature Silicone Rubber Coated Fiberglass Industrial Tape &amp; Wrap – Non Adhesive</b>					
<b>Tape Width inch / mm</b>		<b>Part Number</b>	<b>Price per Roll</b>	<b>Price per Foot</b>	<b>Price per Metre</b>
1	25	T-SR-FGT-M025-16-X	\$ 237.00	\$ 4.74	\$ 15.49
2	51	T-SR-FGT-M051-32-X	\$ 391.00	\$ 7.82	\$ 25.57
3	76	T-SR-FGT-M076-48-X	\$ 491.00	\$ 9.82	\$ 32.11
4	102	T-SR-FGT-M102-64-X	\$ 649.00	\$ 12.98	\$ 42.57
5	127	T-SR-FGT-M127-80-X	\$ 798.00	\$ 15.87	\$ 52.05

For the "X" value, use "R" for Full Spool, use "F" for By-The-Foot

1", 2" and 3" wide tape is available By-The-Foot

Standard length is 100 Feet / 30 Metres, rolled

High Temperature Tape & Wrap is typically used to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The base fabric is a knitted fiberglass, and provides the tape with a small amount of elongation or stretch capability; which allows the over-wrap to hold tight onto what is being wrapped due to the compression that exists when stretched. Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using Tape is Sleeve with VC, which is a sleeve with Velcro closure.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

**500°F / 260°C: Silicone Rubber Coated Woven Fiberglass Tape****Non-Adhesive****High Temperature, Heat & Flame Resistant Heavy Duty Tape & Wrap**

Heavy Duty Tape & Wrap, from ½" through 40" wide is made from our heaviest grade 98 oz/yd<sup>2</sup> material.

This tape is made from a heavy woven base fabric, which provides for very little elongation capability. This tape is stiffer than the AB-FT series tapes

This tape can also be layered and stitched with either face on each side. Multiply price by 2.5 times for 2 layer tape.

**FlameGuard™ High Temperature Silicone Rubber Coated Fiberglass Heavy Duty Tape & Wrap**

Part Number	Width inch / mm / -dash	Price per foot	Price per Metre
T-SR-FGHD-M013-08	½ / 13 / -08	\$ 2.27	\$ 7.45
T-SR-FGHD-M019-12	¾ / 19 / -12	\$ 2.77	\$ 9.09
T-SR-FGHD-M025-16	1 / 25 / -16	\$ 3.37	\$ 11.05
T-SR-FGHD-M032-20	1 ¼ / 32 / -20	\$ 3.89	\$ 12.76
T-SR-FGHD-M038-24	1 ½ / 38 / -24	\$ 4.42	\$ 14.50
T-SR-FGHD-M044-28	1 ¾ / 44 / -28	\$ 4.81	\$ 15.78
T-SR-FGHD-M051-32	2 / 51 / -32	\$ 5.01	\$ 16.43
T-SR-FGHD-M057-36	2 ¼ / 57 / -36	\$ 5.58	\$ 18.30
T-SR-FGHD-M064-40	2 ½ / 64 / -40	\$ 6.13	\$ 20.11
T-SR-FGHD-M070-44	2 ¾ / 70 / -44	\$ 6.67	\$ 21.88
T-SR-FGHD-M076-48	3 / 76 / -48	\$ 6.91	\$ 22.66
T-SR-FGHD-M083-52	3 ¼ / 83 / -52	\$ 7.81	\$ 25.62
T-SR-FGHD-M089-56	3 ½ / 89 / -56	\$ 8.68	\$ 28.47
T-SR-FGHD-M095-60	3 ¾ / 95 / -60	\$ 9.44	\$ 30.96
T-SR-FGHD-M102-64	4 / 102 / -64	\$ 10.01	\$ 32.83
T-SR-FGHD-M108-68	4 ¼ / 108 / -68	\$ 10.61	\$ 34.80
T-SR-FGHD-M114-72	4 ½ / 114 / -72	\$ 11.37	\$ 37.30
T-SR-FGHD-M121-76	4 ¾ / 121 / -76	\$ 11.97	\$ 39.26
T-SR-FGHD-M127-80	5 / 127 / -80	\$ 12.84	\$ 42.12
T-SR-FGHD-M133-84	5 ¼ / 133 / -84	\$ 13.79	\$ 45.23
T-SR-FGHD-M140-88	5 ½ / 140 / -88	\$ 14.71	\$ 48.25
T-SR-FGHD-M146-92	5 ¾ / 146 / -92	\$ 15.65	\$ 51.33
T-SR-FGHD-M152-96	6 / 152 / -96	\$ 16.58	\$ 54.38
T-SR-FGHD-M159-100	6 ¼ / 159 / -100	\$ 17.47	\$ 57.30
T-SR-FGHD-M165-104	6 ½ / 165 / -104	\$ 18.39	\$ 60.32
T-SR-FGHD-M171-108	6 ¾ / 171 / -108	\$ 19.27	\$ 63.21
T-SR-FGHD-M178-112	7 / 178 / -112	\$ 20.18	\$ 66.19
T-SR-FGHD-M184-116	7 ¼ / 184 / -116	\$ 21.09	\$ 69.18
T-SR-FGHD-M191-120	7 ½ / 191 / -120	\$ 22.02	\$ 72.23
T-SR-FGHD-M197-124	7 ¾ / 197 / -124	\$ 22.98	\$ 75.37
T-SR-FGHD-M203-128	8 / 203 / -128	\$ 23.87	\$ 78.29
T-SR-FGHD-M210-132	8 ¼ / 210 / -132	\$ 24.84	\$ 81.48
T-SR-FGHD-M216-136	8 ½ / 216 / -136	\$ 25.78	\$ 84.56
T-SR-FGHD-M222-140	8 ¾ / 222 / -140	\$ 26.81	\$ 87.94
T-SR-FGHD-M229-144	9 / 229 / -144	\$ 27.85	\$ 91.35
T-SR-FGHD-M235-148	9 ¼ / 235 / -148	\$ 28.47	\$ 93.38
T-SR-FGHD-M241-152	9 ½ / 241 / -152	\$ 28.94	\$ 94.92
T-SR-FGHD-M248-156	9 ¾ / 248 / -156	\$ 29.53	\$ 96.86
T-SR-FGHD-M254-160	10 / 254 / -160	\$30.03	\$ 98.50

Add "-C4" for double layer stitched (approx .27") thick

Tape is nominal 0.1350" / 3.4mm thick nominal single layer.

This product is available By-The-Foot. For sizes larger than 10" wide please call for a quote

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.



## 500°F / 260°C: Two-Side Silicone Rubber Coated Fiberglass Tape & Wrap, Non-Adhesive

### High Temperature, Heat & Flame Resistant



This tape is made from silicone rubber coated fabric; and is typically used as a gasket material or to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The tape has an internal woven fiberglass fabric base which allows only a very minimal amount of bias elongation and negligible elongation along its width and length. (1-side coated tapes such as part number T-SR-FGT provide higher elongation).

Tape thicknesses A is made by slitting the fabric roll, while thicknesses B and C are made by layering and stitching. Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

The edges of this tape can be sealed with our liquid silicone SleeveSeal™. This tape makes an excellent weatherproofing when sealed with SleeveSeal™ Tape or Dip or Paste.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection

<b>FlameGuard™ High Temperature Two-Side Silicone Rubber Coated Fiberglass Tape &amp; Wrap</b>					
Part Number	Width in / mm		Price per Foot / Metre by Thickness: A / B / C		
			A 1/16" / 1.59mm	B 1/8 / 3.18mm	C 1/4" / 6.35mm
T-SR-FG-S2-M025-16-X	1.0	25	\$ 1.92 / \$ 6.30	\$ 3.84 / \$ 12.60	\$ 7.68 / \$ 25.19
T-SR-FG-S2-M032-20-X	1.25	32	\$ 2.40 / \$ 7.87	\$ 4.80 / \$ 15.74	\$ 9.60 / \$ 31.49
T-SR-FG-S2-M038-24-X	1.5	38	\$ 2.88 / \$ 9.45	\$ 5.76 / \$ 18.89	\$ 11.52 / \$ 37.79
T-SR-FG-S2-M051-32-X	2.0	51	\$ 3.84 / \$ 12.60	\$ 7.68 / \$ 25.19	\$ 15.36 / \$ 50.38
T-SR-FG-S2-M064-40-X	2.5	64	\$ 4.80 / \$ 15.74	\$ 9.60 / \$ 31.49	\$ 19.20 / \$ 62.98
T-SR-FG-S2-M076-48-X	3.0	76	\$ 5.76 / \$ 18.89	\$ 11.52 / \$ 37.79	\$ 23.04 / \$ 75.57
T-SR-FG-S2-M089-56-X	3.5	89	\$ 6.72 / \$ 22.04	\$ 13.44 / \$ 44.08	\$ 26.88 / \$ 88.17
T-SR-FG-S2-M102-64-X	4.0	102	\$ 7.68 / \$ 25.19	\$ 15.36 / \$ 50.38	\$ 30.72 / \$ 100.76
T-SR-FG-S2-M127-80-X	5.0	127	\$ 9.60 / \$ 31.49	\$ 19.20 / \$ 62.98	\$ 38.40 / \$ 125.95
T-SR-FG-S2-M152-96-X	6.0	152	\$ 11.52 / \$ 37.79	\$ 23.04 / \$ 75.57	\$ 46.08 / \$ 151.14
T-SR-FG-S2-M178-112-X	7.0	178	\$ 13.44 / \$ 44.08	\$ 26.88 / \$ 88.17	\$ 53.76 / \$ 176.33
T-SR-FG-S2-M203-128-X	8.0	203	\$ 15.36 / \$ 50.38	\$ 30.72 / \$ 100.76	\$ 61.44 / \$ 201.52
T-SR-FG-S2-M254-160-X	10.0	254	\$ 19.20 / \$ 62.98	\$ 38.40 / \$ 125.95	\$ 76.88 / \$ 252.17
T-SR-FG-S2-M305-192-X	12.0	305	\$ 23.04 / \$ 75.57	\$ 46.08 / \$ 151.14	\$ 92.16 / \$ 302.29
T-SR-FG-S2-M355-224-X	14.0	355	\$ 26.88 / \$ 88.17	\$ 53.76 / \$ 176.33	\$ 107.52 / \$ 352.67
T-SR-FG-S2-M457-288-X	18.0	457	\$ 34.56 / \$ 113.36	\$ 69.12 / \$ 226.71	\$ 138.24 / \$ 453.43
T-SR-FG-S2-M508-320-X	20.0	508	\$ 38.40 / \$ 125.95	\$ 76.80 / \$ 251.91	\$ 153.60 / \$ 503.81

- For the "X" value, specify A, B or C in part number to correspond to the desired thickness  
A1 = 1/16" / .0625" / 1.59mm    B2 = 1/8" / .125" / 3.18mm    C4 = 1/4" / .250" / 6.35mm

Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using this tape is to use sleeve with Velcro closure. For gasket applications, this tape can usually be secured with a silicone adhesive such as our AB-HTG-165 (general purpose high temperature silicone adhesive) or AB-SRB-201 (specialty adhesive for bonding silicone rubber components together). For larger sizes than 12" please call for a quote

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

## 500°F / 260°C: FlameGuard™ SleeveSeal™ Silicone End Wrap Tape

### Self Binding Self-Fusing Tape

### High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts curing within minutes, fully bonded within hours. Excellent cold weather and cryogenic performance.
- Excellent for sealing ends of firesleeve: prevents sleeve from contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and AA59163 specifications. Certification available. Equivalent to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnell Douglas / Boeing DMS-2186 Type II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5. NSN-5970009494846 & NSN-5970009559976.
- All tapes meet horizontal burn test criteria of FAR 25.853.
- Sinusoidal Fiberglass Reinforced version available with 15% (RST15) or 25% (RST25) maximum stretch. Meets Mil-I-22444; certification available. Equivalent to MOX SA and MOX SB series tapes SB01020, SB00520, SB01015, SB01050 & SA00520, SA01020, SA03030, SA01015; DMS-2186 Type I, EMD/EMS 2074; General Dynamics P5189 & 5-00857; General Electric A50A493-C/D & A50E112; Grumman GT353V; RMS315; Simmonds 151274 (black); IBM 6084744.

FlameGuard™ SleeveSeal™ High Temperature Silicone End Wrap Tape				
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile	Price Per Roll
<b>Mil-I-46852 / AA59163 Tapes: Type I and Type II</b>				
T-SR-M013-08-RXX-30-Z	1/2 / 13	0.030 / 0.76	I / Rectangular	\$ 37.16
T-SR-M025-16-TXX-20-Z	1 / 25	0.020 / 0.5	II / Triangular	\$ 33.80
T-SR-M025-16-RXX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	\$ 34.71
T-SR-M038-24-ROR-20-Z	1 ½ / 38	0.020 / 0.5	I / Rectangular	\$ 47.82
T-SR-M038-24-TXX-60-Z	1 ½ / 38	0.060 / 1.5	II / Triangular	\$ 122.77
<b>Mil-I-22444 Tapes: Type I</b>				
T-RSR-15-M025-16-XX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	\$ 77.29
T-RSR-25-M025-16-XX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	\$ 77.29

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres
- For the XX value (color code): OR = Oxide-Red, BK = Black, CL = Clear  
Clear is not available in Mil-I-46852 / AA59163 Tapes
- For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified
- Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item

FlameGuard™ SleeveSeal™ end wrap tape is a unique adhesive-free tape which self-fuses / self-bonds when wrapped over itself, providing an excellent water-tight and air-tight seal. Leaves no residue when removed. Typically used to protect the free ends of firesleeve from wicking liquids once installed on hoses or cables. This tape can also be used to overwrap plain sleeves and tapes to provide extra security from movement or sliding. Makes clean and neat installations of cables, wires and hoses.

Both versions of the 1 inch / 25mm wide Mil-I-46852 and AA59163 tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

**This Product is available in full rolls only**



**550°F / 287°C: Tuff-Flex™ Fiberglass Tape with PTFE (Teflon®)****Coating: Premium Grade****High Temperature, Heat & Chemical Resistance**

- An excellent gasket tape providing sealing against a variety of gases and liquids: Excellent chemical resistance.
- Available in three thicknesses.
- PTFE (Teflon®) Coating.

This tape offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids. The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Offered in Plain and Drop Warp (also known as Bolt-Hole or Ladder Tape).

550°F / 287°C continuous rating

<b>High Temperature, Heat &amp; Chemical Resistance Fiberglass Tape with PTFE (Teflon) Coating: Premium Tape</b>					
Part Number	Width in / mm		Price per Roll By Thickness: A / B / C		
			"A" thickness .0625"/1.59mm	"B" thickness .125"/3.18mm	"C" thickness .250"/6.35mm
T-PT-PFG-M013-08-X-Z**	.5	13	\$ 61.13	\$ 94.93	NA
T-PT-PFG-M019-12-X-Z**	.75	19	\$ 65.27	\$ 105.33	\$ 199.93
T-PT-PFG-M025-16-X-Z	1.0	25	\$ 105.27	\$ 165.80	\$ 305.63
T-PT-PFG-M032-20-X-Z	1.25	32	\$ 148.40	\$ 229.83	\$ 405.33
T-PT-PFG-M038-24-X-Z	1.5	38	\$ 191.53	\$ 293.70	\$ 505.03
T-PT-PFG-M051-32-X-Z	2.0	51	\$ 241.93	\$ 372.20	\$ 634.07
T-PT-PFG-M064-40-X-Z	2.5	64	\$ 292.33	\$ 452.80	\$ 736.73
T-PT-PFG-M076-48-X-Z	3.0	76	\$ 342.60	\$ 532.33	\$ 900.27
T-PT-PFG-M089-56-X-Z	3.5	89	\$ 392.93	\$ 611.73	\$ 1041.37*
T-PT-PFG-M102-64-X-Z	4.0	102	\$ 443.13	\$ 691.07	\$ 1179.93
T-PT-PFG-M127-80-X-Z	5.0	127	\$ 557.27	\$ 863.53	\$ 1458.53*
T-PT-PFG-M152-96-X-Z	6.0	152	\$ 658.27	\$ 1035.67	\$ 1776.60

- For the "X" value, specify "A", "B" or "C" in the part number to correspond to the desired thickness. A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm C = 1/4" / .250" / 6.35mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape
- All tapes are 100 foot lengths.
- Items with \* may have higher minimum order quantities – please call.
- \*\* .5" / 13mm and .75" / 19mm width tapes are not available in Drop Warp

The PTFE (Teflon) is applied to the tape by dipping the tape through an immersion tank of liquid PTFE dispersion. The tape is then air dried as it leaves the dip tank. The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of PTFE remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

## 550°F / 287°C: Tuff-Flex™ Fiberglass Tape with PTFE (Teflon®) Coating: Industrial Grade High Temperature, Heat & Chemical Resistance



- An excellent gasket tape providing sealing against a variety of gases and liquids: Excellent chemical resistance.
- Available in two thicknesses.
- PTFE (Teflon®) Coating

This tape offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids. The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Offered in Plain and Drop Warp (also known as Bolt-Hole or Ladder Tape).

550°F / 287°C continuous rating

High Temperature, Heat & Chemical Resistance Fiberglass Tape with PTFE (Teflon) Coating: Industrial Tape				
Part Number	Width in / mm		Price per Roll By Thickness: A / B	
			"A" thickness .0625"/1.59mm	"B" thickness .125"/3.18mm
T-PT-IFG-M013-08-X-Z**	.5	13	\$ 216.33**	\$ 56.57
T-PT-IFG-M019-12-X-Z**	.75	19	\$ 47.97	\$ 68.13
T-PT-IFG-M025-16-X-Z	1.0	25	\$ 79.93	\$ 117.90
T-PT-IFG-M032-20-X-Z	1.25	32	\$ 110.00	\$ 162.53
T-PT-IFG-M038-24-X-Z	1.5	38	\$ 140.10	\$ 207.17
T-PT-IFG-M051-32-X-Z	2.0	51	\$ 176.97	\$ 260.57
T-PT-IFG-M064-40-X-Z	2.5	64	\$ 212.70	\$ 315.20
T-PT-IFG-M076-48-X-Z	3.0	76	\$ 249.83	\$ 370.27
T-PT-IFG-M089-56-X-Z	3.5	89	\$ 286.67	\$ 420.93
T-PT-IFG-M102-64-X-Z	4.0	102	\$ 323.50	\$ 471.60
T-PT-IFG-M127-80-X-Z	5.0	127	\$ 387.03	\$ 581.10
T-PT-IFG-M152-96-X-Z	6.0	152	\$ 467.23	\$ 699.20

- For the "X" value specify "A" or "B" in the part number to correspond to the desired thickness  
A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm
- For the "Z" value in part number: use "P" for Plain style tape or "-DW" for Drop Warp style tape
- All tapes are 100 foot lengths.
- Items with \* may have higher minimum order quantities – please call.
- \*\* .5"/13mm and .75"/19mm width tapes are not available in Drop Warp

The PTFE (Teflon) is applied to the tape by dipping the tape through an immersion tank of liquid PTFE dispersion. The tape is then air dried as it leaves the dip tank. The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of PTFE remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

## 550°F / 287°C: Tuff-Flex™ Fiberglass Tape with PTFE (Teflon®) Resin Impregnation & Self Adhesive: Premium & Industrial Grades

### High Temperature & Chemical Resistant with Smooth Non-Stick Surface



Photo show PTFE coated fiberglass tape with silicone adhesive and backing media.

- This tape is made by slitting our PTFE resin impregnated fiberglass fabric.
- Available with and without backing media on the adhesive side.
- Available with Acrylic or Silicone adhesive.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Industrial Grade is a smooth surface with slight surface texturization (underlying fiberglass weave). Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.

### Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE (Teflon) Resin Impregnation & Self Adhesive: Industrial / Premium

Part Number	Width in / mm		Price per Roll by Thickness with Silicone Adhesive Add 20% for Premium Grade. Subtract 5% for Acrylic Adhesive ( thickness measurement does not include adhesive )				
			X = 3 .003"	X = 5 .005"	X = 6 .006"	X = 10 .010"	X = 14 .014" *
T-PTR-IFG-M013-08-X-Y-Z	.5	13	\$ 23.55	\$ 33.09	\$ 37.56	\$ 44.19	\$ 67.80
T-PTR- IFG -M019-12-X-Y-Z	.75	19	\$ 35.33	\$ 49.64	\$ 56.34	\$ 66.29	\$ 101.70
T-PTR- IFG -M025-16-X-Y-Z	1.0	25	\$ 47.10	\$ 66.18	\$ 75.12	\$ 88.38	\$ 135.60
T-PTR- IFG -M032-20-X-Y-Z	1.25	32	\$ 58.88	\$ 82.73	\$ 93.90	\$ 110.48	\$ 169.50
T-PTR- IFG -M038-24-X-Y-Z	1.5	38	\$ 70.65	\$ 99.27	\$ 112.68	\$ 132.57	\$ 203.40
T-PTR- IFG -M051-32-X-Y-Z	2.0	51	\$ 94.20	\$ 132.36	\$ 150.24	\$ 176.76	\$ 271.20
T-PTR- IFG -M064-40-X-Y-Z	2.5	64	\$ 117.75	\$ 165.45	\$ 187.80	\$ 220.95	\$ 339.00
T-PTR- IFG -M076-48-X-Y-Z	3.0	76	\$ 141.30	\$ 198.54	\$ 225.36	\$ 265.14	\$ 406.80
Other Widths			\$ 47.10 / in	\$ 66.18 / in	\$ 75.12 / in	\$ 88.38 / in	\$ 135.60 / in

For Premium version, replace "IFG" with "PFG" in the part number

\*Note: .014 Thickness is not available in Premium Grade. Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003, "5" for .005, "6" for .006, "10" for .010, "14" for .014
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive  
A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" to order with backing media or "NP" for no backing media  
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All tapes are 36 yards. 18 yard rolls are available at 70% of the price shown.
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick for .003 & .005 tape and .0030" thick for all others.

The PTFE (Teflon) resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfte surface to remove it from the fabric with fingernail scraping.

## 550°F / 287°C: Tuff-Flex™ Skived PTFE Tape with Self Adhesive

### High Temperature & Chemical Resistance with Ultra Smooth Non-Stick Surface



- High elongation provides excellent conformability around splices and connectors.
- Available with and without backing strip.
- Available with Acrylic or Silicone adhesive
- Providing excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners, rollers and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.

Photo shows various Skived PTFE tapes

Tuff-Flex™ High Temperature, Heat & Chemical Resistance Skived PTFE Teflon Tape with Self Adhesive					
Part Number	Width in / mm		Price per Roll by Thickness ( thickness measurement does not include adhesive )		
			X = 3 .003"	X = 5 .005"	X = 10 .010"
T-PT-SK-M013-08-X-Y-Z	.5	13	\$ 25.25	\$ 30.53	\$ 46.38
T-PT-SK-M019-12-X-Y-Z	.75	19	\$ 37.87	\$ 45.79	\$ 69.57
T-PT-SK-M025-16-X-Y-Z	1.0	25	\$ 50.49	\$ 61.05	\$ 92.76
T-PT-SK-M032-20-X-Y-Z	1.25	32	\$ 63.11	\$ 76.31	\$ 115.95
T-PT-SK-M038-24-X-Y-Z	1.5	38	\$ 75.74	\$ 91.56	\$ 139.14
T-PT-SK-M051-32-X-Y-Z	2.0	51	\$ 100.98	\$ 122.10	\$ 185.52
T-PT-SK-M064-40-X-Y-Z	2.5	64	\$ 126.22	\$ 152.63	\$ 231.90
T-PT-SK-M076-48-X-Y-Z	3.0	76	\$ 151.47	\$ 183.15	\$ 278.28
Other Widths			\$ 50.49 / inch	\$ 61.05 / inch	\$ 92.76 / inch

Price is for tape with Silicone adhesive. For Acrylic adhesive subtract 5% from price shown

Custom slitting to any width is available up to a maximum of 36 inches. Sold in full rolls only.

- For the "X" value, specify "3" for .003" thickness, "5" for .005" thickness, "10" for .010" thickness
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive  
A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" for with Backing Paper or "NP" for no backing paper  
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All tapes are 36 yards. 18 yard rolls are available at 70% of the price shown.
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick.

## 550°F / 287°C: Tuff-Flex™ Expanded PTFE (Teflon) Joint Seal Tape

### High Temperature & Chemical Resistance



- Made from ePTFE (Teflon®)

Pure ePTFE joint seal tape with an adhesive backing makes a superb cord formed gasket for use as a jointing on all types of flanges. Excellent corrosion resistance, high pressure resistance, easy to use, soft and is ideal for enamel, glass, and especially rough and special shaped sealing.

Excellent resistance to almost all solvents, caustics and acids.

PTFE melting point is 620°F / 327°C.

- PH Range: 0 to 14
- Maximum tensile: 4260 psi (30Mpa)

- Temperature Range: -500F / -268C to +500F / +260C
- Pressure Limits: 2900 psi / 200 kgf/cm2 (20Mpa)

550°F / 287°C continuous rating

This is a high-performance ePTFE used in almost all industries for its heat protection & Chemical Resistance.

Tuff-Flex™ High Temperature, Heat & Chemical Resistance ePTFE (Teflon®) Joint Seal						
Part Number	Dimension Width (inch) / Length (feet) / Thickness (inch)	Price per spool		Part Number	Dimension Width (inch) / Length (feet) / Thickness (inch)	Price per spool
T-PT-JS-125-100	.125" / 100' / 0.10"	\$ 103.47		T-PT-JS-500-15	.500" / 15' / 0.21"	\$ 84.70
T-PT-JS-125-500	.125" / 500' / 0.10"	\$ 387.50		T-PT-JS-500-30	.500" / 30' / 0.21"	\$ 129.43
T-PT-JS-187-75	.187" / 75' / 0.10"	\$ 104.47		T-PT-JS-500-150	.500" / 150' / 0.21"	\$ 576.33
T-PT-JS-187-500	.187" / 500' / 0.10"	\$ 507.33		T-PT-JS-625-15	.625" / 15' / 0.23"	\$ 96.30
T-PT-JS-250-50	.250" / 50' / 0.10"	\$ 100.47		T-PT-JS-625-30	.625" / 30' / 0.23"	\$ 192.43
T-PT-JS-250-100	.250" / 100' / 0.10"	\$ 197.90		T-PT-JS-625-150	.625" / 150' / 0.23"	\$ 873.25
T-PT-JS-250-250	.250" / 250' / 0.10"	\$ 376.50		T-PT-JS-750-15	.750" / 15' / 0.25"	\$ 147.67
T-PT-JS-250-500	.250" / 500' / 0.10"	\$ 749.00		T-PT-JS-750-30	.750" / 30' / 0.25"	\$ 295.20
T-PT-JS-375-25	.375" / 25' / 0.17"	\$ 79.70		T-PT-JS-750-100	.750" / 100' / 0.25"	\$ 939.20
T-PT-JS-375-50	.375" / 50' / 0.17"	\$ 149.43		T-PT-JS-1000-15	1.000" / 15' / 0.30"	\$ 221.35
T-PT-JS-375-250	.375" / 250' / 0.17"	\$ 576.33		T-PT-JS-1000-30	1.000" / 30' / 0.30"	\$ 442.73
				T-PT-JS-1000-75	1.000" / 75' / 0.30"	\$ 1056.58

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

NOTE: This product is made in round form, then flattened: the width and thickness tolerance is +/- 0.063" for 0.50" wide seal and larger, and +/- 0.031" for 0.375" wide seal and smaller.

**This Product is NOT Available By The Foot**



## 550°F / 287°C: Tuff-Flex™ White Rubber Coated Fiberglass Universal Gasket Tape (tacky cloth): High Temperature Heat Resistant Tape: *With or Without Wire Insert*



This is a widely used and universal tape for making gaskets, especially where a rough or uneven surface or flange exists. The tape is a fiberglass base with a special white rubber formulation. The tape is tacky, and has a plastic film surface covering that is removed before installation. The tape will stick to itself once the film is removed.

**Wire Inserted Version:** The fill (width wise) yarn for this version of the fabric has a twisted brass wired formed with it, providing additional strength and electrical conductivity/shielding.

550°F / 287°C continuous rating, excellent sealing properties as a gasket material

Tuff-Flex™ High Temperature Rubberized Fiberglass Universal Gasket Tape (Tacky Cloth)						
Part Number	Width in / mm	Price per Foot By Thickness: A / B / C / D / E in / mm				
		"A" thickness .062 / 1.6	"B" thickness .125 / 3.2	"C" thickness .187 / 4.8	"D" thickness .250 / 6.3	"E" thickness .375 / 7.9
T-TC-FG-M013-08-X-Z	.50 / 13	NA	\$ 1.40	\$ 2.08	\$ 2.76	NA
T-TC-FG-M019-12-X-Z	.75 / 19	NA	\$ 1.84	\$ 2.48	\$ 3.44	NA
T-TC-FG-M025-16-X-Z	1.0 / 25	\$ 1.12	\$ 2.20	\$ 3.20	\$ 4.32	\$ 6.88
T-TC-FG-M032-20-X-Z	1.25 / 32	\$ 1.40	\$ 2.72	\$ 4.04	\$ 5.40	\$ 8.32
T-TC-FG-M038-24-X-Z	1.50 / 38	\$ 1.60	\$ 3.20	\$ 4.84	\$ 6.52	\$ 9.96
T-TC-FG-M051-32-X-Z	2.00 / 51	\$ 2.20	\$ 4.32	\$ 6.52	\$ 8.60	\$ 12.96
T-TC-FG-M076-48-X-Z	3.00 / 76	\$ 3.04	\$ 6.08	\$ 9.24	\$ 12.28	\$ 19.44
T-TC-FG-M102-64-X-Z	4.00 / 102	\$ 4.08	\$ 8.20	\$ 12.28	\$ 16.40	\$ 25.88
T-TC-FG-M127-80-X-Z	5.00 / 127	\$ 4.92	\$ 10.20	\$ 15.32	\$ 20.40	\$ 32.44

For the "X" value specify either A, B, C, D, or E  
 For the "Z" value, use "W" to specify with wire insert and "N" to specify no wire

Gasket Cloth with and without Wire Insert – Same Price with Either Option

Standard Rolls of 25 and 50 feet. Other lengths add +25% to price.

Curing: It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure.

Do not overtighten the material during this curing time or the rubber will be squeezed off of the base material.

If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.



# 1000°F / 537°C: DeltaGlass™ Fiberglass Knitted Tape

## Very High Temperature & Heat Resistant

### Plain Tape & Bolt Hole / Ladder Tape: *Premium Grade*



These knitted tapes are fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

Knitted tapes are extremely flexible and conformable, more so than the same dimension tape in a woven style.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Tape: Plain & Bolt Hole - <i>Premium</i>					
1/8" / 3mm Thick Knitted Plain Tape					
Width inch / mm / dash #			Part Number	Price per Roll	Rolls per Carton
1"	25	-16	T-KFG-P-M025-16	\$ 71.67	11
1 1/4"	32	-20	T-KFG-P-M032-20	\$ 90.00	9
1 1/2"	38	-24	T-KFG-P-M038-24	\$ 110.00	7
1 3/4"	44	-28	T-KFG-P-M044-28	\$ 135.00	6
2"	51	-32	T-KFG-P-M051-32	\$ 156.67	5
2 1/2"	64	-40	T-KFG-P-M064-40	\$ 180.00	4
3"	76	-48	T-KFG-P-M076-48	\$ 210.00	3
4"	102	-64	T-KFG-P-M102-64	\$ 256.67	2
5"	127	-80	T-KFG-P-M127-80	\$ 306.67	2
1/8" / 3mm Thick Knitted Bolt Hole / Ladder Tape					
Width inch / mm / dash #			Part Number	Price per Roll	Rolls per Carton
1"	25	-16	T-KFG-BH-P-M025-16	\$ 61.67	11
1 1/4"	32	-20	T-KFG-BH-P-M032-20	\$ 78.33	9
1 1/2"	38	-24	T-KFG-BH-P-M038-24	\$ 90.00	7
1 3/4"	44	-28	T-KFG-BH-P-M044-28	\$ 100.00	6
2"	51	-32	T-KFG-BH-P-M051-32	\$ 110.00	5
2 1/2"	64	-40	T-KFG-BH-P-M064-40	\$ 133.33	4
3"	76	-48	T-KFG-BH-P-M076-48	\$ 163.33	3
4"	102	-64	T-KFG-BH-P-M102-64	\$ 210.00	2
5"	127	-80	T-KFG-BH-P-M127-80	\$ 260.00	2

Each roll contains 100 feet / 30 metres.

**This Product is NOT Available By-The-Foot – Full Rolls Only**

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

## 1000°F / 537°C: DeltaGlass™ Woven Fiberglass Tape: *Premium Grade* Very High Temperature & Heat Resistant Plain & Bolt-Hole / Ladder Tape



Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1000°F / 537°C in continuous service. 100% asbestos free, this tape is a bright white color.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

Premium grade tape has a higher bulk than Industrial grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fiberglass content). Also available with Pressure Sensitive Adhesive (PSA).

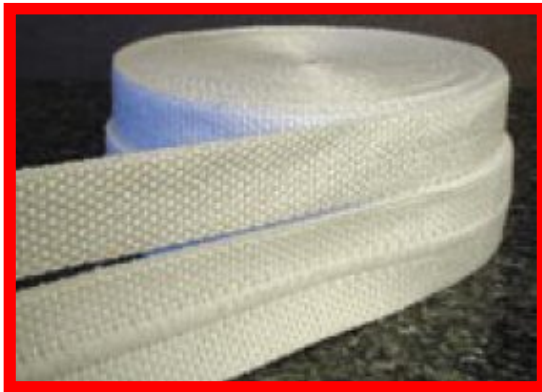
1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Bolt-Hole / LadderTape™ - Premium Grade					
Part Number	Width in / mm		Price per Roll By Thickness: A / B / C		
			"A" thickness no PSA / with PSA	"B" thickness no PSA / with PSA	"C" thickness no PSA / with PSA
T-WFGP-M013-08-X-Z**	.5	13	\$ 34.20 / \$ 77.17	\$ 44.43 / \$ 87.40	NA
T-WFGP-M019-12-X-Z**	.75	19	\$ 49.60 / \$ 83.63	\$ 55.70 / \$ 92.60	\$ 88.87 / \$ 137.03
T-WFGP-M025-16-X-Z	1.0	25	\$ 36.73 / \$ 87.03	\$ 58.44 / \$ 100.23	\$ 128.26 / \$ 178.23
T-WFGP-M032-20-X-Z	1.25	32	\$ 38.73 / \$ 97.88	\$ 59.73 / \$ 117.03	\$ 146.83 / \$ 193.50
T-WFGP-M038-24-X-Z	1.5	38	\$ 40.13 / \$ 100.13	\$ 60.55 / \$ 119.87	\$ 174.43 / \$ 227.77
T-WFGP-M051-32-X-Z	2.0	51	\$ 44.73 / \$ 111.50	\$ 70.80 / \$ 137.27	\$ 188.71 / \$ 252.83
T-WFGP-M064-40-X-Z	2.5	64	\$ 49.86 / \$ 124.87	\$ 82.20 / \$ 157.20	\$ 214.66 / \$ 289.43
T-WFGP-M076-48-X-Z	3.0	76	\$ 58.23 / \$ 139.46	\$ 99.20 / \$ 180.70	\$ 244.70 / \$ 326.36
T-WFGP-M089-56-X-Z	3.5	89	\$ 66.43 / \$ 146.40	\$ 110.86 / \$ 193.86	\$ 286.43 / \$ 396.96
T-WFGP-M102-64-X-Z	4.0	102	\$ 75.60 / \$ 185.46	\$ 123.16 / \$ 216.00	\$ 303.16 / \$ 396.73
T-WFGP-M114-72-X-Z	4.5	114	\$ 90.77 / \$ 191.43	\$ 163.21 / \$ 247.63	\$ 348.44 / \$ 437.71
T-WFGP-M127-80-X-Z	5.0	127	\$ 92.73 / \$ 212.33	\$ 169.93 / \$ 281.20	\$ 379.46 / \$ 491.40
T-WFGP-M140-88-X-Z	5.5	140	\$ 96.73 / \$ 219.33	\$ 177.93 / \$ 288.20	\$ 398.46 / \$ 501.40
T-WFGP-M152-96-X-Z	6.0	152	\$ 117.03 / \$ 227.36	\$ 187.46 / \$ 295.23	\$ 423.10 / \$ 518.20

- For the "X" Value, specify A, B or C in part number to correspond to the desired thickness  
**A** = 1/16" / .0625" / 1.59mm    **B** = 1/8" / .125" / 3.18mm    **C** = 1/4" / .250" / 6.35mm
- For the "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape. Same price either version.
- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot / 30 metre lengths.
- Items with \* may have higher minimum order quantities – please call.
- \*\* -08 / .5" / 13mm and -12 / .75" / 19mm width tapes are not available in Drop Warp

## 1000°F / 537°C: Fiberglass Woven Tape: *Industrial Grade*

### Very High Temperature & Heat Resistant Plain & Bolt-Hole / Ladder Tape



Manufactured of texturized fiberglass yarns, tape will withstand temperatures up to 1000°F / 537°C in continuous service.

tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder or Bolthole tape.

Industrial grade tape has a lower bulk than Premium grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fibreglass content). Available with and without Pressure Sensitive Adhesive (PSA).

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Woven Plain & Bolt-Hole / LadderTape™ - Industrial Grade				
Part Number	Width in / mm		Price per Roll By Thickness: A / B	
			"A" thickness no PSA / with PSA	"B" thickness no PSA / with PSA
T-WFGI-M013-08-X-Z**	.5	13	\$ 102.63 / \$ 218.13	\$ 37.30 / \$ 80.26
T-WFGI-M019-12-X-Z**	.75	19	\$ 20.46 / \$ 69.40	\$ 38.74 / \$ 86.22
T-WFGI-M025-16-X-Z	1.0	25	\$ 23.90 / \$ 74.16	\$ 38.56 / \$ 88.43
T-WFGI-M032-20-X-Z	1.25	32	\$ 29.63 / \$ 88.53	\$ 43.80 / \$ 99.20
T-WFGI-M038-24-X-Z	1.5	38	\$ 29.86 / \$ 89.46	\$ 45.48 / \$ 108.06
T-WFGI-M051-32-X-Z	2.0	51	\$ 34.43 / \$ 101.76	\$ 50.50 / \$ 117.83
T-WFGI-M064-40-X-Z	2.5	64	\$ 48.63 / \$ 123.16	\$ 65.80 / \$ 140.96
T-WFGI-M076-48-X-Z	3.0	76	\$ 53.03 / \$ 135.23	\$ 67.10 / \$ 147.50
T-WFGI-M089-56-X-Z	3.5	89	\$ 59.66 / \$ 141.13	\$ 78.66 / \$ 156.13
T-WFGI-M102-64-X-Z	4.0	102	\$ 63.16 / \$ 157.93	\$ 87.76 / \$ 168.53
T-WFGI-M114-72-X-Z	4.5	114	\$ 71.46 / \$ 169.93	\$ 94.51 / \$ 188.79
T-WFGI-M127-80-X-Z	5.0	127	\$ 79.53 / \$ 191.70	\$ 109.80 / \$ 203.96
T-WFGI-M140-88-X-Z	5.5	140	\$ 92.17 / \$ 201.33	\$ 120.27 / \$ 217.31
T-WFGI-M152-96-X-Z	6.0	152	\$ 108.73 / \$ 213.00	\$ 126.36 / \$ 229.63

- For the "X" value, specify "A" or "B" in part number to correspond to the desired thickness  
A = 1/16" / .0625" / 1.59mm    B = 1/8" / .125" / 3.18mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape  
Same price either version.
- All tapes are 100 foot / 30 metre lengths.
- Items with \* may have higher minimum order quantities – please call.
- \*\* .5"/13mm and .75"/19mm width tapes are not available in Drop Warp

**1000°F / 537°C: Fiberglass Woven Tape:****Premium Grade / Special Thin****Very High Temperature & Heat Resistant Plain & Bolt-Hole / LadderTape™**

Manufactured of texturized fiberglass yarns, this tape will withstand temperatures up to 1000°F / 537°C in continuous service.

This tape offers superior insulating properties as well as low chloride content.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

<b>Very High Temperature &amp; Heat Resistant Fiberglass Woven Plain &amp; Bolt-Hole / LadderTape™ Premium Grade / Special Thin 1/32" / .0313" / 0.8mm Thickness</b>				
Part Number	Width in / mm		Price per Roll	
			no PSA	with PSA
T-WFGP-T-M013-08-X**	.5	13	\$ 16.88	\$ 27.43
T-WFGP-T-M025-16-X	1.0	25	\$ 24.20	\$ 37.23
T-WFGP-T-M038-24-X	1.5	38	\$ 31.40	\$ 54.13
T-WFGP-T-M051-32-X	2.0	51	\$ 37.73	\$ 65.33
T-WFGP-T-M064-40-X	2.5	64	\$ 45.10	\$ 85.90
T-WFGP-T-M076-48-X	3.0	76	\$ 52.53	\$ 106.37
T-WFGP-T-M089-56-X	3.5	89	\$ 60.47	\$ 120.86
T-WFGP-T-M102-64-X	4.0	102	\$ 67.80	\$ 135.40
T-WFGP-T-M114-72-X	4.5	114	\$ 75.63	\$ 149.30
T-WFGP-T-M127-80-X	5.0	127	\$ 82.73	\$ 163.13
T-WFGP-T-M140-88-X	5.5	140	\$ 89.96	\$ 176.47
T-WFGP-T-M152-96-X	6.0	152	\$ 96.90	\$ 189.80

- This tape is 1/32" / .0313" / 0.8mm thick
- For the "X" value in part number: use "-P" for Plain style tape  
or "-DW" for Drop Warp style tape.

Same price either style.

- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot / 30 metre lengths.
- \*\* -08 / .5" / 13mm width tapes are not available in Drop Warp

## 1500°F / 815°C: Fiberglass Woven Tape with Vermiculite Coating: Premium Grade Very High Temperature & Heat Resistant Plain & Bolt-Hole / LadderTape™



Vermiculite coated fiberglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion. Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers additional abrasion resistance and stiffness.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the

tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder Tape or Bolt-hole tape.

Premium grade tape has a higher bulk than Industrial grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fiberglass content). Available with and without Pressure Sensitive Adhesive (PSA).

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Tape Premium Grade Plain & Bolt-Hole / LadderTape™					
Part Number	Width in / mm		Price per Roll By Thickness: A / B / C		
			"A" thickness no PSA / with PSA	"B" thickness no PSA / with PSA	"C" thickness no PSA / with PSA
T-VC-WFGP-M013-08-X-Z**	.5	13	\$ 79.50 / \$ 122.47	\$ 93.33 / \$ 136.30	NA
T-VC-WFGP-M019-12-X-Z**	.75	19	\$ 81.20 / \$ 123.97	\$ 96.67 / \$ 141.50	\$ 153.30 / \$ 201.47
T-VC-WFGP-M025-16-X-Z	1.0	25	\$ 82.93 / \$ 133.23	\$ 99.83 / \$ 150.80	\$ 206.50 / \$ 256.13
T-VC-WFGP-M032-20-X-Z	1.25	32	\$ 85.57 / \$ 144.87	\$ 111.27 / \$ 170.57	\$ 231.57 / \$ 290.87
T-VC-WFGP-M038-24-X-Z	1.5	38	\$ 87.50 / \$ 147.62	\$ 114.58 / \$ 178.65	\$ 268.83 / \$ 322.17
T-VC-WFGP-M051-32-X-Z	2.0	51	\$ 93.67 / \$ 160.47	\$ 128.90 / \$ 195.37	\$ 288.07 / \$ 354.87
T-VC-WFGP-M064-40-X-Z	2.5	64	\$ 100.67 / \$ 175.66	\$ 144.31 / \$ 219.32	\$ 323.03 / \$ 398.03
T-VC-WFGP-M076-48-X-Z	3.0	76	\$ 111.93 / \$ 193.17	\$ 167.03 / \$ 446.67	\$ 366.33 / \$ 467.96
T-VC-WFGP-M089-56-X-Z	3.5	89	\$ 123.03 / \$ 206.33	\$ 182.11 / \$ 265.40	\$ 398.78 / \$ 497.58
T-VC-WFGP-M102-64-X-Z	4.0	102	\$ 135.40 / \$ 248.60	\$ 198.20 / \$ 292.56	\$ 443.17 / \$ 506.33
T-VC-WFGP-M127-80-X-Z	5.0	127	\$ 157.57 / \$ 278.20	\$ 262.73 / \$ 374.67	\$ 535.66 / \$ 647.53
T-VC-WFGP-M152-96-X-Z	6.0	152	\$ 162.97 / \$ 294.30	\$ 286.43 / \$ 384.40	\$ 590.50 / \$ 688.51

- For the "X" value, specify A, B or C in part number to correspond to the desired thickness  
 A = 1/16" / .0625" / 1.59mm    B = 1/8" / .125" / 3.18mm    C = 1/4" / .250" / 6.35mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.  
 Same price either style.
- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot lengths.
- \*\* -08 / .5" / 13mm and -12 / .75" / 19mm width tapes are not available in Drop Warp



**1500°F / 815°C: Fiberglass Woven Tape with Vermiculite Coating:****Industrial Grade****Very High Temperature & Heat Resistant Plain & Bolt-Hole / LadderTape™**

Vermiculite coated fiberglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion.

Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has

lengthwise yarns missing from the center of the tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder or Bolthole tape.

Industrial grade tape has a lower bulk than Premium grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fiberglass content). Available with and without Pressure Sensitive Adhesive (PSA).

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

**Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Tape  
Industrial Grade Plain & Bolt-Hole / LadderTape™**

Part Number	Width in / mm		Price per Roll By Thickness: A / B	
			"A" thickness no PSA / with PSA	"B" thickness no PSA / with PSA
T-VC-WFGI-M013-08-X-Z	.5	13	\$ 366.57* / \$ 482.90 *NOTE	\$ 85.56 / \$ 128.53
T-VC-WFGI-M019-12-X-Z	.75	19	\$ 62.53 / \$ 110.70	\$ 164.93 / \$ 244.61
T-VC-WFGI-M025-16-X-Z	1.0	25	\$ 66.84 / \$ 117.13	\$ 87.37 / \$ 139.00
T-VC-WFGI-M032-20-X-Z	1.25	32	\$ 73.60 / \$ 132.90	\$ 94.67 / \$ 150.63
T-VC-WFGI-M038-24-X-Z	1.5	38	\$ 75.06 / \$ 135.07	\$ 96.90 / \$ 156.90
T-VC-WFGI-M051-32-X-Z	2.0	51	\$ 81.40 / \$ 148.20	\$ 104.03 / \$ 170.83
T-VC-WFGI-M064-40-X-Z	2.5	64	\$ 101.43 / \$ 176.43	\$ 124.90 / \$ 198.79
T-VC-WFGI-M076-48-X-Z	3.0	76	\$ 108.50 / \$ 190.07	\$ 126.23 / \$ 207.81
T-VC-WFGI-M089-56-X-Z	3.5	89	\$ 114.96 / \$ 198.27	\$ 136.23 / \$ 219.53
T-VC-WFGI-M102-64-X-Z	4.0	102	\$ 122.71 / \$ 215.87	\$ 146.17 / \$ 239.33
T-VC-WFGI-M127-80-X-Z	5.0	127	\$ 145.13 / \$ 258.07	\$ 164.80 / \$ 294.47
T-VC-WFGI-M152-96-X-Z	6.0	152	\$ 150.27 / \$ 281.80	\$ 185.37 / \$ 316.70

- For the "X" value, specify "A" or "B" in part number to correspond to the desired thickness.  
A = 1/16" / .0625" / 1.59mm B = 1/8" / .125" / 3.18mm
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape  
Same price either style.
- Drop Warp not available in ½ and ¾ inch widths.
- \* **NOTE: 0.5" wide x 1/16" tape roll is 500 feet in length.**



## 1500°F / 815°C: Fiberglass Woven Tape with Vermiculite Coating: Premium Grade / Special Thin

### Very High Temperature & Heat Resistant Plain & Bolt-Hole / LadderTape™



Vermiculite coated fibreglass tape is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion. Vermiculite coated tape will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers additional abrasion resistance and stiffness.

Offered in *Plain* and *Drop Warp* (also known as *Bolt-Hole* or *LadderTape™*). Drop Warp tape has lengthwise yarns missing from the center of the

tape to allow fasteners to pass through the tape for assembly onto access doors, etc. This is also called a Ladder Tape or Bolt-hole tape.

Premium grade tape has a higher bulk than Industrial grade (the same size tape weighs more in Premium grade than Industrial grade as it has more fiberglass content). Available with and without Pressure Sensitive Adhesive (PSA).

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

<b>Very High Temperature &amp; Heat Resistant Fiberglass Woven Plain &amp; Bolt-Hole / LadderTape™ Premium Grade / Special Thin 1/32" / .0313" / 0.8mm Thickness</b>				
Part Number	Width in / mm		Price per Roll	
			no PSA	with PSA
T-VC-WFGP-T-M013-08-X	.5	13	\$ 26.43	\$ 36.53
T-VC-WFGP-T-M025-16-X	1.0	25	\$ 35.10	\$ 49.30
T-VC-WFGP-T-M038-24-X	1.5	38	\$ 48.73	\$ 70.83
T-VC-WFGP-T-M051-32-X	2.0	51	\$ 58.63	\$ 85.43
T-VC-WFGP-T-M064-40-X	2.5	64	\$ 70.13	\$ 109.66
T-VC-WFGP-T-M076-48-X	3.0	76	\$ 81.50	\$ 133.83
T-VC-WFGP-T-M089-56-X	3.5	89	\$ 93.90	\$ 152.57
T-VC-WFGP-T-M102-64-X	4.0	102	\$ 106.36	\$ 171.33
T-VC-WFGP-T-M114-72-X	4.5	114	\$ 117.40	\$ 188.96
T-VC-WFGP-T-M127-80-X	5.0	127	\$ 128.53	\$ 206.60
T-VC-WFGP-T-M140-88-X	5.5	140	\$ 139.56	\$ 226.33
T-VC-WFGP-T-M152-96-X	6.0	152	\$ 150.57	\$ 240.70

- This tape is 1/32" / .0313" / 0.8mm thick
- For the "X" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.
- Add "-PSA" to the part number for tape with PSA coating.
- All tapes are 100 foot lengths.

## 1000°F / 537°C to 1500°F / 815°C: PowerTorque™ Tape Automotive Manifold, Header, Turbo & Exhaust Pipe Tape & Wrap

**SilverGuard™** Fiberglass Woven Tape.

**GoldGuard™** Fiberglass Woven Tape with Vermiculite Coating Tape.

**BlackMax™** Fiberglass Woven Tape with Black Vermiculite Coating Tape.

Very High Temperature & Heat Resistant Tape



Manifold and header wrapping is widely accepted as standard practice for performance auto and racing applications. There are two reasons for this. First, by adding an insulation layer around the exhaust gas piping, it keeps the temperature of the gas from dropping, which means the density of the gas is kept lower longer, and lower density means easier flow through the exhaust system. Easier flow means more horse power due to reduced back pressure.

Retaining heat in the exhaust flow, resulting in faster exhaust gas flow, also results in higher turbo charger spool speeds, resulting in a gain of horse power.

Second, wrapping exhaust system components also reduces the temperature of other under-hood components and systems, reducing both radiated heat and convective heating of electrical components, intake air, fuel and hydraulic hoses. Reducing under-hood temperature also helps reduce hood paint thermal damage.

PowerTorque™ Very High Temperature & Heat Resistant Manifold, Header, Turbo & Exhaust Pipe Wrapping Tape SilverGuard™ ,GoldGuard™ and BlackMax™			
Part Number	Width in / mm		Price per Rol 25 ft / 50 ft / 100 ft
PowerTorque™ SilverGuard™ Tape			
T-FG-SG-M025-16-X	1.0	25	\$ 6.59 / \$ 12.55 / \$ 23.90
T-FG-SG-M051-32-X	2.0	50	\$ 9.67 / \$ 18.43 / \$ 34.43
PowerTorque™ GoldGuard™ Tape			
T-FG-GG-M025-16-X	1.0	25	\$ 19.67 / \$ 37.81 / \$ 66.84
T-FG-GG-M051-32-X	2.0	50	\$ 25.64 / \$ 46.71 / \$ 81.40
PowerTorque™ BlackMax™ Tape			
T-FG-BM-M025-16-X	1.0	25	\$ 8.99 / \$ 16.97 / \$ 31.93
T-FG-BM-M051-32-X	2.0	50	\$ 16.24 / \$ 31.37 / \$ 59.85

SilverGuard™ tape is Bright White, GoldGuard™ is a Tan/Gold color and BlackMax™ is Black

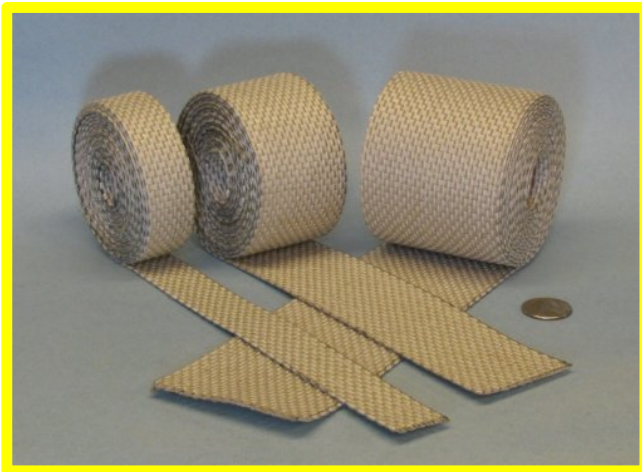
In the part number, replace the "X" value with the length of the tape: i.e.; 25, 50, 100

**Stainless Steel Free End Self Locking Clamps:** Used to secure tape in place. Makes a neat low profile installation. (standard hand tools can be used to tighten and cut the remaining free end)

- SSFCSL-WM005-XX. .181" width clamp. 6" \$1.21, 8" \$1.39, 14" \$1.59, 20" \$2.11
- SSFCSL-WM008-XX. .311" width clamp. 8" \$1.59, 14" \$2.29, 20" \$3.87

## 1800°F / 982°C: InSilMax™ Silica Slit Tape

### Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



1, 2 and 3 inch tapes shown

An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (\*see note).

Produced from an extremely pure silica base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.

Weave is tight, but edge fray is possible with slit tapes. For non fray edges use a woven tape.

<b>InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal &amp; Weld Splatter Resistant Silica Tapes</b>					
<b>0.090" / 2.3mm Thick Tape</b>					
<b>Part Number</b>	<b>Width inch / mm / dash #</b>			<b>Price per foot / Metre 25 &amp; 50 foot Standard Roll</b>	
T-SF-ST-M025-16	1"	25	-16	\$ 1.32	\$ 4.33
T-SF-ST-M032-20	1 1/4"	32	-20	\$ 1.52	\$ 4.98
T-SF-ST-M038-24	1 1/2"	38	-24	\$ 1.68	\$ 5.51
T-SF-ST-M051-32	2"	51	-32	\$ 2.04	\$ 6.69
T-SF-ST-M064-40	2 1/2"	64	-40	\$ 3.08	\$ 10.10
T-SF-ST-M076-48	3"	76	-48	\$ 3.72	\$ 12.20
T-SF-ST-M102-64	4"	102	-64	\$ 4.98	\$ 16.33
T-SF-ST-M127-80	5"	127	-80	\$ 5.80	\$ 19.02
T-SF-ST-M152-96	6"	152	-96	\$ 6.63	\$ 21.75

**Available in standard 25 foot / 7.6 metre or 50 foot / 15.2 metre rolls**  
**For other lengths add +25% to price shown**

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

**This Product is Available By-The-Foot / Metre**

## 1800°F / 982°C: InSilMax™ Silica Folded & Stitched Tape

### Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (\*see note).

Produced from an extremely pure silica base fiber (SiO<sub>2</sub>) and can be used at 1800°F / 982°C continuously with excursions to 3000°F / 1650°C.

Folded & Stitched tape is a thicker alternative to Slit Tape. Top roll in photo is one layer slit tape; 2<sup>nd</sup> roll from top is 2 layer folded and stitched; 3<sup>rd</sup> roll from top is three layer folded and stitched and bottom roll is 4 layer folded and stitched. All tapes are same length.

### InSilMax™ Extreme Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Folded & Stitched Silica Tape

#### Folded & Stitched Silica Tape – 25 or 50 foot roll

Available in 3 thicknesses: 1/8" / 3.2mm thick • 3/16" / 4.8mm thick • 1/4" / 6.4mm thick

Width inch / mm / dash #			Part Number	1/8" / 3.2mm Price / Ft / m x value = 2	3/16" / 4.8mm Price / Ft / m x value = 3	1/4" / 6.4mm Price / Ft / m x value = 4
1"	25	-16	T-SF-FT-M025-16-X	\$3.44 / \$11.28	\$4.68 / \$15.35	\$5.98 / \$19.61
1 1/4"	32	-20	T-SF-FT-M032-20-X	\$4.12 / \$13.51	\$5.68 / \$18.63	\$7.24 / \$23.74
1 1/2"	38	-24	T-SF-FT-M038-24-X	\$4.76 / \$15.61	\$6.56 / \$21.52	\$8.52 / \$27.95
2"	51	-32	T-SF-FT-M051-32-X	\$6.36 / \$20.86	\$8.96 / \$29.39	\$15.64 / \$51.30
2 1/2"	64	-40	T-SF-FT-M064-40-X	\$7.32 / \$24.01	\$9.04 / \$29.65	\$14.72 / \$48.28
3"	76	-48	T-SF-FT-M076-48-X	\$8.56 / \$28.08	\$12.36 / \$40.54	\$16.12 / \$52.87
4"	102	-64	T-SF-FT-M102-64-X	\$11.04 / \$36.21	\$16.12 / \$52.87	\$23.60 / \$77.41
5"	127	-80	T-SF-FT-M127-80-X	\$13.64 / \$44.74	\$19.97 / \$65.50	\$26.32 / \$86.33
6"	152	-96	T-SF-FT-M152-96-X	\$16.12 / \$52.87	\$23.76 / \$77.93	\$31.32 / \$102.73
8"	203	-102	T-SF-FT-M203-102-X	\$21.88 / \$71.77	\$33.20 / \$108.90	\$43.80 / \$143.66

For other than standard lengths, add 20% to the price shown

For the "X" value in the part number: specify "2" for 1/8" thick tape  
"3" for 3/16" thick tape  
"4" for 1/4" thick tape

Add "-P" to the part number to order tape with PSA on one side.

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.



## 1800°F / 982°C: InSiMax™ Silica Tape: Woven

### Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



Available in Plain and Drop Warp (also known as Ladder Tape™ or Bolt-Hole Tape).

An alternative to asbestos and ceramic based textiles. Highly flexible and minimal shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (\*see note).

Woven tape has the benefit over slit tape of edges that will not fray unless cut.

For a tape with less shrinkage and deterioration at maximum temperature, use InSiMax XT tape, part number IXTSWT shown on the next page in the catalog.

Common applications for this tape are as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc.

<b>InSiMax™ Extreme Temperature, Heat, Flame, Molten Metal &amp; Weld Splatter Resistant Woven Silica Tapes</b>						
<b>Plain &amp; Drop Warp Woven Silica Tape – 100 foot roll</b>						
<b>Available in 3 thicknesses: 1/16" / 2mm thick • 1/8" / 3.2mm thick • 1/4" / 6.4mm thick</b>						
<b>Width inch / mm / dash #</b>			<b>Part Number</b>	<b>1/16" / 2mm Price per foot no PSA / with PSA</b>	<b>1/8" / 3.2mm Price per foot no PSA / with PSA</b>	<b>1/4" / 6.4mm Price per foot no PSA / with PSA</b>
1"	25	-16	T-SF-WT-M025-16-X-Z	\$ 1.36 / \$ 1.65	\$ 3.09 / \$ 3.50	\$ 3.88 / \$ 4.28
1 1/2"	38	-24	T-SF-WT-M038-24-X-Z	\$ 1.90 / \$ 2.33	\$ 4.34 / \$ 4.94	\$ 5.66 / \$ 6.26
2"	51	-32	T-SF-WT-M051-32-X-Z	\$ 2.47 / \$ 3.01	\$ 5.74 / \$ 6.49	\$ 7.45 / \$ 8.20
3"	76	-48	T-SF-WT-M076-48-X-Z	\$ 3.63 / \$ 4.60	\$ 8.53 / \$ 9.83	\$ 11.25 / \$ 12.55
4"	102	-64	T-SF-WT-M102-64-X-Z	\$ 4.65 / \$ 5.86	\$ 11.48 / \$ 13.13	\$ 15.02 / \$ 16.68

Same Price Plain or Drop Warp (known as LadderTape™ or Bolt-Hole Tape)

#### **This Product is Available in Full Rolls Only – Please enquire for exceptions**

Some tapes available in 50 foot lengths – please enquire. Add 25% to above pricing when ordering in 50 foot lengths. Some tapes available in by-the-foot cut lengths – please enquire. Add 50% to above pricing when ordering by-the-foot cut lengths.

- For the "X" value, specify:
  - "A1" for 1/16" thick tape
  - "B2" for 1/8" thick tape
  - "C4" for 1/4" thick tape
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.

Add "-PSA" to the part number to order tape with PSA on one side.

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

## 2000°F / 1093°C: InSilMax™ XT Silica Tape: Woven

### Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



Available in Plain and Drop Warp (also known as Ladder Tape™ or Bolt-Hole Tape).

An alternative to asbestos and ceramic based textiles. Highly flexible and virtually no shrinkage. High abrasion resistance and tensile strength. Melts above 3000°F / 1648°C. Available with a PSA (pressure sensitive adhesive) to facilitate easy installation (\*see note).

Woven tape has the benefit of edges that will not fray unless cut.

Produced from an extremely pure silica base yarn instead of leached yarn; providing extended temperature range and durability.

Common applications for this tape are as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc.

<b>InSilMax™ XT Extreme Temperature, Heat, Flame, Molten Metal &amp; Weld Splatter Resistant Woven Silica Tapes</b>						
<b>Plain &amp; Drop Warp Woven Silica Tape – 100 foot roll</b>						
<b>Available in 3 thicknesses: 1/16" / 2mm thick • 1/8" / 3.2mm thick • 1/4" / 6.4mm thick</b>						
<b>Width inch / mm / dash #</b>			<b>Part Number</b>	<b>1/16" / 2mm Price per foot no PSA / with PSA</b>	<b>1/8" / 3.2mm Price per foot no PSA / with PSA</b>	<b>1/4" / 6.4mm Price per foot no PSA / with PSA</b>
1"	25	-16	T-SFXT-WT-M025-16-X-Z	\$ 1.56 / \$ 1.65	\$ 3.55 / \$ 4.03	\$ 4.46 / \$ 4.92
1 1/2"	38	-24	T-SFXT-WT-M038-24-X-Z	\$ 2.18 / \$ 2.68	\$ 4.99 / \$ 5.68	\$ 6.51 / \$ 7.20
2"	51	-32	T-SFXT-WT-M051-32-X-Z	\$ 2.84 / \$ 3.46	\$ 6.60 / \$ 7.46	\$ 8.57 / \$ 9.43
3"	76	-48	T-SFXT-WT-M076-48-X-Z	\$ 4.17 / \$ 5.29	\$ 9.81 / \$ 11.30	\$ 12.94 / \$ 14.43
4"	102	-64	T-SFXT-WT-M102-64-X-Z	\$ 5.35 / \$ 6.74	\$ 13.20 / \$ 15.10	\$ 17.23 / \$ 19.18

Same Price Plain or Drop Warp (known as LadderTape™ or Bolt-Hole Tape)

**This Product is Available in Full Rolls Only – Please enquire for exceptions**

Some tapes available in 50 foot lengths – please enquire. Add 25% to above pricing when ordering in 50 foot lengths. Some tapes available in by-the-foot cut lengths – please enquire. Add 50% to above pricing when ordering by-the-foot cut lengths.

- For the "X" value, specify:
  - "A1" for 1/16" thick tape
  - "B2" for 1/8" thick tape
  - "C4" for 1/4" thick tape
- For "Z" value in part number: use "-P" for Plain style tape or "-DW" for Drop Warp style tape.

Add "-PSA" to the part number to order tape with PSA on one side.

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.



## 2300°F / 1260°C: CerMax™ Ceramic Fiber Tape: Woven

### Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant



Available in Plain and Drop Warp style (also known as Ladder Tape™ or Bolt-Hole Tape).

Highly flexible and virtually no shrinkage. Melts above 3000°F / 1648°C.

Woven tape has the benefit of edges that will not fray unless cut.

Available with Fiberglass reinforcement or wire.

Common applications for this tape are as a gasket and seal material on high temperature access doors, inspection and clean-out doors and panels for kilns, ovens, furnaces, ventilation systems, etc.

<b>CerMax™ Extreme Temperature +Plus, Heat, Flame, Molten Metal &amp; Weld Splatter Resistant Ceramic Fiber Tapes</b>						
<b>Plain &amp; Drop Warp Woven Tape – 100 foot roll</b>						
<b>Available in 1/16" / 2mm thick &amp; 1/8" / 3.2mm thick</b>						
<b>Width inch / mm / dash #</b>			<b>Part Number</b>	<b>1/16" / 2mm Price per roll Fiberglass / Wire</b>	<b>1/8" / 3.2mm Price per roll Fiberglass / Wire</b>	
1/2	13	-08	T-CF-WT-M013-08-X-Y	\$ 28.75 / NA	\$ 35.65 / NA	
1"	25	-16	T-CF-WT-M025-16-X-Y	\$ 43.70 / \$ 51.75	\$59.80 / \$ 66.70	
1 1/2"	38	-24	T-CF-WT-M038-24-X-Y	NA / NA	\$ 88.55 / NA	
2"	51	-32	T-CF-WT-M051-32-X-Y	\$ 78.20 / \$ 93.15	\$ 106.95 ** / \$ 124.20	
3"	76	-48	T-CF-WT-M076-48-X-Y	\$ 112.70 / \$ 117.30	\$ 154.10 ** / \$ 170.20	
4"	102	-64	T-CF-WT-M102-64-X-Y	\$ 141.45 / \$ 149.50	\$ 193.20 / \$ 218.50	
6	152	-96	T-CF-WT-M152-96-X-Y	NA / NA	NA / \$331.20	

\*\* Note: 1/8 thick 2" wide and 3" wide, fiberglass reinforced, is available in Plain or Drop Warp (also known as LadderTape™ or Bolt-Hole Tape). Same Price

#### **This Product is Available in Full Rolls Only – Please enquire for exceptions**

Some tapes available in 50 foot lengths – please enquire. Add 25% to above pricing when ordering in 50 foot lengths. Some tapes available in by-the-foot cut lengths – please enquire. Add 50% to above pricing when ordering by-the-foot cut lengths.

- For the "X" value, specify: "A1" for 1/16" thick tape or "B2" for 1/8" thick tape
- For the "Y" value, specify: "F" for Fiberglass reinforced or "W" for wire reinforced
- Add "-DW" to specify Drop Warp style tape (See \*\* Note above for sizes).

To aid in mounting this tape onto surfaces, FlangeStik™ pressure sensitive adhesive spray can be used to place the tape in situ temporarily. Permanent fasteners or grab strips should be installed prior to heating of the area sprayed above 200°F. The adhesive will "smoke-off" at elevated temperatures.

**950°F / 510°C to 5400°F / 2982°C****GraphTek™ Flexible Graphite Tape****Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant**

Flexible Graphite Tape is 99% Carbon, providing extreme heat protection, thermal dissipation, lubrication and electrical conductivity. Made from mineral (flake) graphite it is non metallic, but thermally and electrically conductive just like metals.

Highly flexible and virtually no shrinkage. Melts above 6600°F / 3650°C.

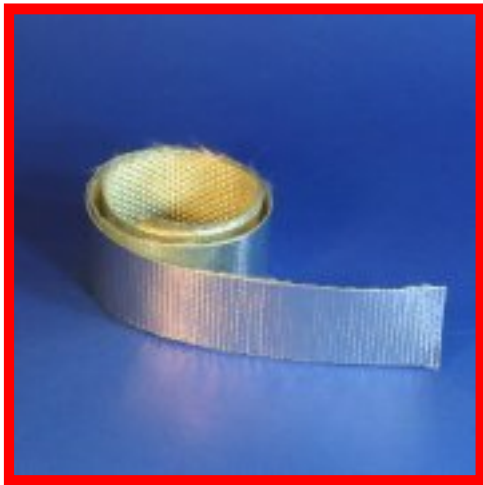
This tape is crinkled to aid in handling.

Service temperature range depends on surrounding conditions. Useable to 950°F / 510°C in an oxidizing atmosphere (standard air). Useable to 1500°F / 815°C in mild oxidizing or steam atmosphere and useable to 5400°F / 2982°C in non-oxidizing conditions.

Common applications for this tape are as an extreme temperature wrap for protection against flame and molten metal contact. Also used as gasket and seal material.

<b>GraphTek™ Extreme Temperature +Plus, Heat, Flame, Molten Metal &amp; Weld Splatter Resistant Graphite Tapes</b>						
<b>50 foot roll - .050" thick</b>						
<b>Width inch / mm / dash #</b>			<b>Part Number</b>	<b>Plain Tape</b>	<b>Plain Tape with PSA</b>	<b>Plain Tape with inhibitor</b>
1/4	6	-04	T-GR-M006-04-X	\$ 5.86	\$ 9.74	NA
1/2"	13	-08	T-GR-M013-08-X	\$ 7.85	\$ 13.53	\$ 8.63
3/4"	19	-12	T-GR-M019-12-X	\$ 10.73	\$ 18.94	\$ 11.80
1"	25	-16	T-GR-M025-16-X	\$ 13.61	\$ 23.80	\$ 14.97
1 1/2"	39	-24	T-GR-M039-24-X	NA	\$ 29.84	NA

## 1000°F / 537°C: High Temperature & Radiant Heat Reflective Aluminum Coated Fiberglass Tape – Non Adhesive or with PSA



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Continuous operation at 650°F / 343°C.
- This tape is the perfect protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Can be supplied with self-adhesive (includes a backing paper).

Constructed from a high-temperature base fabric which is then coated with multiple layers of highly-reflective polished aluminum. Designed for long term continuous operation at 650°F / 343°C, this tape will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

The tape is fabricated from a roll fabric.

The same base fabric can be used for constructing a wide variety of protective sleeves and covers for EAF (Electric Arc Furnace) Cable Covers, Festoon covers, robotic welding machine covers, etc.

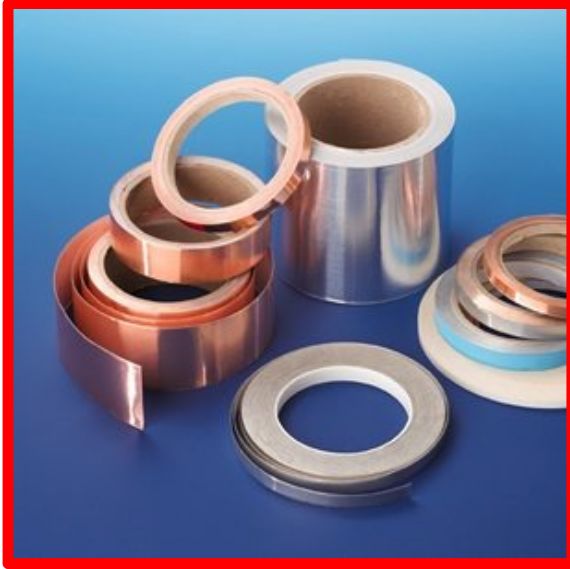
Aluminized Fiberglass Radiant Heat Reflective Tape		
Part Number	Width inch / mm	Price / Foot 21oz/yd <sup>2</sup> / 35oz/yd <sup>2</sup>
T-AL-FG-ST-M019-12-X	0.75 / 19	\$ 2.87 / \$ 3.44
T-AL-FG-ST-M025-16-X	1.00 / 25	\$ 3.55 / \$ 4.26
T-AL-FG-ST-M032-20-X	1.25 / 32	\$ 4.19 / \$ 5.03
T-AL-FG-ST-M038-24-X	1.50 / 38	\$ 4.87 / \$ 5.84
T-AL-FG-ST-M044-28-X	1.75 / 44	\$ 5.55 / \$ 6.67
T-AL-FG-ST-M051-32-X	2.00 / 51	\$ 6.21 / \$ 7.45
T-AL-FG-ST-M064-40-X	2.50 / 64	\$ 7.59 / \$ 9.11
T-AL-FG-ST-M076-48-X	3.00 / 76	\$ 8.91 / \$ 10.70
T-AL-FG-ST-M089-56-X	3.50 / 89	\$ 10.27 / \$ 12.33
T-AL-FG-ST-M102-64-X	4.00 / 102	\$ 11.58 / \$ 13.90
This tape can be fabricated in any width – please enquire		

For the X value: specify “21” for construction from 21 oz/yd<sup>2</sup> fabric; specify “35” for construction from 35 oz/yd<sup>2</sup> fabric

## 1000°F / 537°C: High Temperature & Radiant Heat Reflective Stainless Steel Coated Fiberglass Tape – Non Adhesive or with PSA

Please call for pricing

## **1000°F / 537°C: High Temperature & Radiant Heat Reflective Metallic Tapes: with Silicone Self Adhesive**



- Available as Aluminum or Copper Foil Tape.
- Available as Aluminum coated fiberglass with silicone high temperature adhesive.
- Aluminum tape is an excellent reflector of radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Copper foil tape is highly conductive and makes an excellent EMI/RFI shielding tape.

**Please call for pricing and availability**

## 1000°F / 537°C: FlameGuard™ Aluminum Foil Coated Heat Reflecting Fiberglass Tape; with adhesive High Temperature & Radiant Heat Reflective



- Protection from intense radiant heat. Reflects more than 95% of the radiant heat that contacts its surface.
- Base fabric rated for continuous operation at 1000°F / 537°C.
- This tape has a high temperature adhesive across its entire width, allowing the tape to be wrapped and formed into a sleeve around wires, cables or hoses. Can also be applied to other objects and shapes and used flat.
- Provides protection for cables and hoses when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.
- Thickness of .025".

This high temperature and radiant heat reflective tape is constructed from a high-temperature fine woven fiberglass fabric substrate, which is then coated with highly-reflective polished aluminum. The base fabric is designed for long term continuous operation at 1000°F / 537°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The non aluminum side of the fabric is coated with an adhesive.

Added protection can be achieved by layering with other sleeve or tape materials underneath the reflective layer.

FlameGuard™ Aluminum Foil Coated Fiberglass Radiant Heat Reflective Tape				
Part Number	Nominal Inside Diameter inch / mm / dash#	Tape Width	Spool Length, feet Bulk / Small	Price per Foot Bulk Spool / Small Spool
T-AL-FG-STA-M025-16-X	1.00 / 25 / -16	3.75"	200 / 100	\$ 2.00 / \$ 2.17
T-AL-FG-STA-M038-24-X	1.50 / 38 / -24	5.25"	200 / 100	\$ 3.10 / \$ 3.26
T-AL-FG-STA-M051-32-X	2.00 / 51 / -32	6.5"	200 / 100	\$ 3.82 / \$ 3.97
T-AL-FG-STA-M076-48-X	3.00 / 76 / -48	6.5"	200 / 100	\$ 5.72 / \$ 5.98
T-AL-FG-STA-M102-64-X	4.00 / 102 / -64	6.5"	200 / 100	\$ 7.57 / \$ 7.74
T-AL-FG-STA-M127-80-X	5.00 / 127 / -80	6.5"	200 / 100	\$ 9.42 / \$ 9.57
T-AL-FG-STA-M152-96-X	6.00 / 152 / -96	6.5"	100 / 50	\$ 11.33 / \$ 11.67
T-AL-FG-STA-M178-112-X	7.00 / 178 / -112	6.5"	100 / 50	\$ 13.20 / \$ 13.53
T-AL-FG-STA-M203-128-X	8.00 / 203 / -128	6.5"	100 / 50	\$ 15.06 / \$ 15.40

For the "X" value: use "B" for Bulk Spool size, use "S" for Small Spool size

**This Product is Available By-The-Foot**

## FlangeStik™ Pressure Sensitive Adhesive Spray for Tape Mounting



- Covers approximately 90 to 100 square feet. (enough for mounting a quantity of five 2" wide x 100 foot tapes for example)
- Used for temporary mounting of tapes onto flanges, gasket channels or contact areas while permanent hardware is installed.
- Available in butyl rubber adhesive or silicone adhesive.
- Greatly assists in the installation of tapes and fabrics onto metal and non-metal surfaces.
- 340g (12oz) net contents.

### FlangeStik™ Pressure Sensitive Adhesive Spray for Tape and Fabric Mounting

Part Number	Adhesive	Price
AD-PSA-BR-340-12	Butyl rubber	26.64
AD-PSA-US-340-12	Silicone	Call



# TadpoleTape™

1000°F / 537°C Precision Fiberglass TadpoleTapes™ .....	2-28
1000°F / 537°C Fiberglass Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-29
1500°F / 815°C Fiberglass with Vermiculite Coating Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-30
1800°F / 982°C InSilMax™ Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-31
2000°F / 1093°C InSilMax™ XT Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-32
2300°F / 1260°C CerMax™ Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-33
550°F / 287°C Fiberglass with PTFE (Teflon) Coating Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-34
550°F / 287°C Rubberized Fiberglass Tacky Cloth Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-35
550°F / 287°C Expanded PTFE (Teflon) Heavy Duty TadpoleTape™: with Rope or Wire Mesh Core .....	2-36

## 1000°F / 537°C TadpoleTape™ Very High Temperature & Heat Resistant Precision Fiberglass Gasket Tapes



Ideal for smaller kiln and oven doors.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Genuine TadpoleTape™ gasket is designed to provide a high temperature thermal seal in industrial, laboratory, commercial and residential ovens and dryers.

Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 520°C.

The bulb of the tadpole may be filled with a variety of materials depending on the application; either fiberglass rope or stainless mesh rope, in order to achieve the desired compressability. The bead of the tadpole seal may be left empty or filled as well.

This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

The gasket jacket is available in grey, dark grey and black.

Pricing is on application.

## 1000°F / 537°C TadpoleTape™ Very High Temperature & Heat Resistant Fiberglass with Rope or Wire Mesh Core



Made from our heavy duty fiberglass fabrics and ropes, this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing.

Standard Rolls of 50 and 100 feet.

For By-The-Foot pricing add 25% to price shown.

1000°F / 537°C continuous rating

Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 520°C. This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

### TadpoleTape™ Very High Temperature & Heat Resistant Fiberglass with Rope Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9	.500 / 13	.625 / 15.8	.750 / 19	1.000 / 25
TT-FGRC-M025-16-X	1.00 / 25	\$ 2.80	\$ 3.08	\$ 3.48	NA	NA
TT-FGRC-M032-20-X	1.25 / 32	\$ 2.88	\$ 3.20	\$ 3.68	NA	NA
TT-FGRC-M038-24-X	1.50 / 38	\$ 3.08	\$ 3.32	\$ 3.80	\$ 4.20	NA
TT-FGRC-M044-28-X	1.75 / 44	\$ 3.20	\$ 3.44	\$ 4.00	\$ 4.36	\$ 6.88
TT-FGRC-M051-32-X	2.00 / 51	\$ 3.24	\$ 3.68	\$ 4.28	\$ 4.48	\$ 6.44
TT-FGRC-M063-40-X	2.50 / 63	\$ 3.64	\$ 3.96	\$ 4.68	\$ 4.80	\$ 6.80
TT-FGRC-M076-48-X	3.00 / 76	\$ 3.96	\$ 4.24	\$ 4.64	\$ 5.16	\$ 7.04

### TadpoleTape™ Very High Temperature & Heat Resistant Fiberglass With Stainless Steel or Inconel Mesh Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9 SS / Inconel	.500 / 13 SS / Inconel	.625 / 15.8 SS / Inconel	.750 / 19 SS / Inconel	1.000 / 25 SS / Inconel
TT-FGMC-M025-16-X-Z	1.00 / 25	\$5.84 / \$7.08	\$6.24 / \$8.20	\$8.32 / NA	NA	NA
TT-FGMC-M032-20-X-Z	1.25 / 32	\$5.92 / \$7.16	\$6.32 / \$8.32	\$8.48 / \$9.04	NA	NA
TT-FGMC-M038-24-X-Z	1.50 / 38	\$6.04 / \$7.20	\$6.44 / \$8.48	\$8.56 / \$9.16	\$12.56 / \$18.20	NA
TT-FGMC-M044-28-X-Z	1.75 / 44	\$6.20 / \$7.48	\$6.56 / \$8.64	\$8.76 / \$9.32	\$12.68 / \$18.40	\$20.64 / \$22.28
TT-FGMC-M051-32-X-Z	2.00 / 51	\$6.28 / \$7.72	\$6.76 / \$8.88	\$9.04 / \$9.60	\$12.80 / \$18.56	\$20.64 / \$22.48
TT-FGMC-M063-40-X-Z	2.50 / 63	\$6.60 / \$8.08	\$6.96 / \$9.20	\$9.40 / \$9.88	\$13.20 / \$18.92	\$20.72 / \$22.80
TT-FGMC-M076-48-X-Z	3.00 / 76	\$6.88 / \$8.36	\$7.24 / \$9.80	\$12.84 / \$10.48	\$13.40 / \$19.64	\$20.80 / \$23.40

For the "X" value: specify either A, B, C, D, or E

For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

## 1500°F / 815°C TadpoleTape™ Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass with Rope or Wire Mesh Core



Made from our heavy duty fabrics and ropes/wire mesh, this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing.

Standard lengths of 50 and 100 feet. For By-The-Foot pricing: add 25% to price shown:

1500°F / 815°C continuous rating

Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1500°F / 815°C. This product resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

TadpoleTape™ Vermiculite Coated Fiberglass with Rope Core						
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A" .375 / 7.9	"B" .500 / 13	"C" .625 / 15.8	"D" .750 / 19	"E" 1.000 / 25
TT-VC-FGRC-M025-16-X	1.00 / 25	\$ 4.20	\$ 4.64	\$ 5.24	NA	NA
TT-VC-FGRC-M032-20-X	1.25 / 32	\$ 4.36	\$ 4.80	\$ 5.52	NA	NA
TT-VC-FGRC-M038-24-X	1.50 / 38	\$ 4.64	\$ 5.00	\$ 5.64	\$ 6.32	NA
TT-VC-FGRC-M044-28-X	1.75 / 44	\$ 4.80	\$ 5.20	\$ 5.96	\$ 6.56	\$ 10.32
TT-VC-FGRC-M051-32-X	2.00 / 51	\$ 4.88	\$ 5.52	\$ 6.44	\$ 6.76	\$ 10.56
TT-VC-FGRC-M063-40-X	2.50 / 63	\$ 5.48	\$ 5.92	\$ 7.01	\$ 7.20	\$ 10.82
TT-VC-FGRC-M076-48-X	3.00 / 76	\$ 5.92	\$ 6.36	\$ 7.32	\$ 7.72	\$ 11.05

TadpoleTape™ Vermiculite Coated Fiberglass with Stainless Steel or Inconel Mesh Core						
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A" .375 / 7.9 SS / Inconel	"B" .500 / 13 SS / Inconel	"C" .625 / 15.8 SS / Inconel	"D" .750 / 19 SS / Inconel	"E" 1.000 / 25 SS / Inconel
TT-VC-FGMC-M025-16-X-Z	1.00 / 25	\$7.36 / \$8.60	\$8.40 / \$9.16	\$9.36 / \$12.20	NA	NA
TT-VC-FGMC-M032-20-X-Z	1.25 / 32	\$7.68 / \$8.72	\$8.72 / \$9.28	\$9.72 / \$12.48	NA	NA
TT-VC-FGMC-M038-24-X-Z	1.50 / 38	\$7.80 / \$8.92	\$9.08 / \$9.44	\$10.04 / \$12.60	\$18.08 / \$18.48	NA
TT-VC-FGMC-M044-28-X-Z	1.75 / 44	\$8.32 / \$9.08	\$9.40 / \$9.60	\$10.60 / \$12.88	\$18.44 / \$18.64	\$22.12 / \$22.36
TT-VC-FGMC-M051-32-X-Z	2.00 / 51	\$8.88 / \$9.20	\$9.84 / \$9.92	\$11.24 / \$13.32	\$18.92 / \$19.45	\$22.60 / \$22.87
TT-VC-FGMC-M063-40-X-Z	2.50 / 63	\$9.52 / \$9.72	\$10.64 / \$10.24	\$12.40 / \$13.80	\$19.56 / \$19.81	\$23.24 / \$23.97
TT-VC-FGMC-M076-48-X-Z	3.00 / 76	\$10.20 / \$10.12	\$11.76 / \$10.56	\$17.72 / \$18.84	\$20.98 / \$21.76	\$23.88 / \$24.56

For the "X" value: specify either A, B, C, D, or E for the bulb size  
For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

## 1800°F / 982°C InSilMax™ TadpoleTape™ Extreme High Temperature Heat Flame Resistant With Rope or Wire Mesh Core



Made from our heavy duty silica fabrics and ropes, this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing.

Standard Rolls of 50 and 100 feet.

For By The Foot pricing: add 25% to price shown:

Can be used at 1800°F / 982°C continuously.

### InSilMax™ TadpoleTape™ Extreme High Temperature; Heat & Flame Resistant With Rope Core

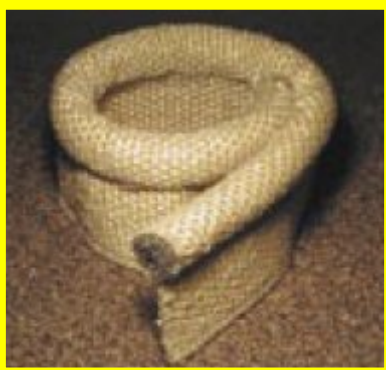
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9	.500 / 13	.625 / 15.8	.750 / 19	1.000 / 25
TT-SFRC-M025-16-X	1.00 / 25	\$ 7.64	\$ 7.92	\$ 9.64	NA	NA
TT-SFRC-M032-20-X	1.25 / 32	\$ 8.48	\$ 8.68	\$ 10.36	NA	NA
TT-SFRC-M038-24-X	1.50 / 38	\$ 8.72	\$ 9.24	\$ 11.40	\$ 12.44	NA
TT-SFRC-M044-28-X	1.75 / 44	\$ 9.32	\$ 10.08	\$ 12.28	\$ 13.08	\$ 15.92
TT-SFRC-M051-32-X	2.00 / 51	\$ 10.28	\$ 10.60	\$ 12.76	\$ 13.84	\$ 16.29
TT-SFRC-M063-40-X	2.50 / 63	\$ 11.52	\$ 11.96	\$ 13.40	\$ 15.40	\$ 16.87
TT-SFRC-M076-48-X	3.00 / 76	\$ 13.16	\$ 13.40	\$ 14.24	\$ 16.96	\$ 18.97

### InSilMax™ TadpoleTape™ Extreme High Temperature; Heat & Flame Resistant with Stainless Steel or Inconel Mesh Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm and choice of Stainless Steel / Inconel Bulb				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9 SS / Inconel	.500 / 13 SS / Inconel	.625 / 15.8 SS / Inconel	.750 / 19 SS / Inconel	1.000 / 25 SS / Inconel
TT-SFMC-M025-16-X-Z	1.00 / 25	\$7.72 / \$8.40	\$8.60 / \$9.60	\$9.76 / \$10.64	NA	NA
TT-SFMC-M032-20-X-Z	1.25 / 32	\$8.64 / \$9.60	\$8.92 / \$9.92	\$10.52 / \$11.44	NA	NA
TT-SFMC-M038-24-X-Z	1.50 / 38	\$8.88 / \$9.88	\$9.28 / \$10.32	\$11.68 / \$12.76	\$15.40 / \$19.88	NA
TT-SFMC-M044-28-X-Z	1.75 / 44	\$9.52 / \$10.60	\$10.20 / \$11.04	\$12.44 / \$13.60	\$15.88 / \$20.28	\$18.80 / \$23.24
TT-SFMC-M051-32-X-Z	2.00 / 51	\$10.28 / \$11.44	\$10.80 / \$11.98	\$14.32 / \$15.80	\$16.32 / \$20.60	\$19.24 / \$24.16
TT-SFMC-M063-40-X-Z	2.50 / 63	\$11.72 / \$13.04	\$12.04 / \$13.40	\$16.08 / \$17.80	\$17.24 / \$21.36	\$20.16 / \$25.24
TT-SFMC-M076-48-X-Z	3.00 / 76	\$13.36 / \$14.60	\$13.52 / \$15.04	\$16.60 / \$18.32	\$18.16 / \$22.12	\$21.08 / \$25.96

For the "X" value: specify either A, B, C, D, or E for the bulb size  
For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

## 2000°F / 1093°C InSilMax™ XT TadpoleTape™ Extreme High Temperature Heat Flame Resistant With Rope or Wire Mesh Core



Made from our highest purity heavy duty silica fabrics and ropes, this is a soft and resilient gasket material for effective sealing on metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the tape.

Standard Rolls of 50 and 100 feet.

For By-The-Foot pricing: add 25% to price shown:

Produced from an extremely pure base fiber ( $\text{SiO}_2$ ) and can be used at 2000°F / 1093°C continuously.

### InSilMax™ XT TadpoleTape™ Extreme High Temperature; Heat & Flame Resistant With Rope Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9	.500 / 13	.625 / 15.8	.750 / 19	1.000 / 25
TT-SFXTRC-M025-16-X	1.00 / 25	\$ 8.79	\$ 9.11	\$ 11.09	NA	NA
TT-SFXTRC-M032-20-X	1.25 / 32	\$ 9.75	\$ 9.98	\$ 11.91	NA	NA
TT-SFXTRC-M038-24-X	1.50 / 38	\$ 10.03	\$ 10.63	\$ 13.11	\$ 14.31	NA
TT-SFXTRC-M044-28-X	1.75 / 44	\$ 10.72	\$ 11.59	\$ 14.13	\$ 15.05	\$ 18.31
TT-SFXTRC-M051-32-X	2.00 / 51	\$ 11.82	\$ 12.19	\$ 14.67	\$ 15.92	\$ 18.74
TT-SFXTRC-M063-40-X	2.50 / 63	\$ 13.25	\$ 13.75	\$ 15.41	\$ 17.71	\$ 19.40
TT-SFXTRC-M076-48-X	3.00 / 76	\$ 15.13	\$ 15.41	\$ 16.38	\$ 17.81	\$ 21.82

### InSilMax™ XT TadpoleTape™ Extreme High Temperature; Heat & Flame Resistant with Stainless Steel or Inconel Mesh Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm and choice of Stainless Steel / Inconel Bulb				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9 SS / Inconel	.500 / 13 SS / Inconel	.625 / 15.8 SS / Inconel	.750 / 19 SS / Inconel	1.000 / 25 SS / Inconel
TT-SFXTMC-M025-16-X-Z	1.00 / 25	\$8.89 / \$9.66	\$9.89 / \$11.04	\$11.22 / \$11.17	NA	NA
TT-SFXTMC-M032-20-X-Z	1.25 / 32	\$9.94 / \$11.04	\$10.26 / \$11.41	\$12.09 / \$13.16	NA	NA
TT-SFXTMC-M038-24-X-Z	1.50 / 38	\$10.21 / \$11.36	\$10.67 / \$11.87	\$13.43 / \$14.67	\$17.71 / \$22.86	NA
TT-SFXTMC-M044-28-X-Z	1.75 / 44	\$10.95 / \$12.19	\$11.73 / \$12.70	\$14.31 / \$15.64	\$18.26 / \$23.32	\$21.62 / \$26.73
TT-SFXTMC-M051-32-X-Z	2.00 / 51	\$11.82 / \$13.16	\$12.42 / \$13.78	\$16.47 / \$18.17	\$18.77 / \$23.69	\$22.13 / \$27.78
TT-SFXTMC-M063-40-X-Z	2.50 / 63	\$13.48 / \$14.99	\$13.85 / \$15.41	\$18.49 / \$20.47	\$19.83 / \$22.43	\$23.18 / \$29.03
TT-SFXTMC-M076-48-X-Z	3.00 / 76	\$15.36 / \$16.79	\$15.55 / \$17.30	\$19.09 / \$21.07	\$20.88 / \$25.43	\$24.24 / \$29.85

For the "X" value: specify either A, B, C, D, or E for the bulb size  
For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel



## 2300°F / 1260°C CerMax™ TadpoleTape™ Extreme High Temperature Heat Flame Resistant With Rope or Wire Mesh Core



Made from our highest temperature ceramic fiber inconel wire inserted materials, this is a soft and resilient gasket material for effective sealing on metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the tape.

Standard Rolls of 50 and 100 feet.

For By-The-Foot pricing: add 25% to price shown:

Can be used at 2300°F / 1260°C continuously.

<b>CerMax™ TadpoleTape™ Extreme High Temperature; Heat &amp; Flame Resistant With Rope Core</b>						
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A" .375 / 7.9	"B" .500 / 13	"C" .625 / 15.8	"D" .750 / 19	"E" 1.000 / 25
TT-CFRC-M025-16-X	1.00 / 25	\$ CALL	\$ CALL	\$ CALL	NA	NA
TT-CFRC-M032-20-X	1.25 / 32	\$ CALL	\$ CALL	\$ CALL	NA	NA
TT-CFRC-M038-24-X	1.50 / 38	\$ CALL	\$ CALL	\$ CALL	\$ CALL	NA
TT-CFRC-M044-28-X	1.75 / 44	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFRC-M051-32-X	2.00 / 51	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFRC-M063-40-X	2.50 / 63	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFRC-M076-48-X	3.00 / 76	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL

<b>CerMax™ TadpoleTape™ Extreme High Temperature; Heat &amp; Flame Resistant with Inconel Mesh Core</b>						
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm and Inconel Mesh Bulb				
		"A" .375 / 7.9 SS / Inconel	"B" .500 / 13 SS / Inconel	"C" .625 / 15.8 SS / Inconel	"D" .750 / 19 SS / Inconel	"E" 1.000 / 25 SS / Inconel
TT-CFMC-M025-16-X	1.00 / 25	\$ CALL	\$ CALL	\$ CALL	NA	NA
TT-CFMC-M032-20-X	1.25 / 32	\$ CALL	\$ CALL	\$ CALL	NA	NA
TT-CFMC-M038-24-X	1.50 / 38	\$ CALL	\$ CALL	\$ CALL	\$ CALL	NA
TT-CFMC-M044-28-X	1.75 / 44	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFMC-M051-32-X	2.00 / 51	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFMC-M063-40-X	2.50 / 63	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL
TT-CFMC-M076-48-X	3.00 / 76	\$ CALL	\$ CALL	\$ CALL	\$ CALL	\$ CALL

For the "X" value: specify either A, B, C, D, or E for the bulb size  
For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

## 550°F / 287°C TadpoleTape™ High Temperature, Heat & Chemical Resistance Fiberglass with PTFE (Teflon) Coating: Rope or Wire Mesh Core



- PTFE (Teflon®) Coated Fiberglass

Made from our heavy duty fabrics and ropes/wire mesh; this is a soft and resilient gasket material for effective sealing on light metal flanges and where limited bolting force is available – and where doors and other closures rest on the bulb of the packing. This fabric offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids. The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Standard lengths of 50 and 100 feet. For By-The-Foot pricing: add 25% to price shown:

550°F / 287°C continuous rating

### Tadpole Tape™ High Temperature & Chemical Resistance PTFE (Teflon) Coated Fiberglass with Rope Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A" .375 / 7.9	"B" .500 / 13	"C" .625 / 15.8	"D" .750 / 19	"E" 1.000 / 25
TT-PTRC-M025-16-X	1.00 / 25	\$ 5.56	\$ 5.80	\$ 6.52	NA	NA
TT-PTRC-M032-20-X	1.25 / 32	\$ 5.96	\$ 6.24	\$ 7.32	NA	NA
TT-PTRC-M038-24-X	1.50 / 38	\$ 6.72	\$ 6.96	\$ 8.04	\$ 7.80	NA
TT-PTRC-M044-28-X	1.75 / 44	\$ 7.48	\$ 7.72	\$ 8.80	\$ 8.60	\$ 11.72
TT-PTRC-M051-32-X	2.00 / 51	\$ 8.08	\$ 8.52	\$ 9.76	\$ 9.28	\$ 12.12
TT-PTRC-M063-40-X	2.50 / 63	\$ 9.16	\$ 9.44	\$ 10.76	\$ 10.24	\$ 12.48
TT-PTRC-M076-48-X	3.00 / 76	\$ 10.08	\$ 10.36	\$ 11.00	\$ 11.24	\$ 13.04

### TadpoleTape™ High Temperature & Chemical Resistance PTFE (Teflon) Coated Fiberglass: with Stainless Steel or Inconel Mesh Core

Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm and choice of Stainless Steel / Inconel Bulb				
		"A" .375 / 7.9 SS / Inconel	"B" .500 / 13 SS / Inconel	"C" .625 / 15.8 SS / Inconel	"D" .750 / 19 SS / Inconel	"E" 1.000 / 25 SS / Inconel
TT-PTMC-M025-16-X-Z	1.00 / 25	\$8.72 / \$11.02	\$9.12 / \$12.48	\$11.52 / \$14.00	NA	NA
TT-PTMC-M032-20-X-Z	1.25 / 32	\$9.12 / \$11.68	\$9.52 / \$13.12	\$12.28 / \$14.64	NA	NA
TT-PTMC-M038-24-X-Z	1.50 / 38	\$9.84 / \$12.00	\$10.24 / \$13.80	\$13.02 / \$15.28	\$16.36 / \$26.24	NA
TT-PTMC-M044-28-X-Z	1.75 / 44	\$10.64 / \$12.96	\$11.04 / \$14.44	\$13.76 / \$16.24	\$17.12 / \$26.92	\$25.84 / \$32.00
TT-PTMC-M051-32-X-Z	2.00 / 51	\$11.28 / \$13.64	\$11.76 / \$15.16	\$14.72 / \$17.44	\$17.80 / \$27.64	\$26.31 / \$32.80
TT-PTMC-M063-40-X-Z	2.50 / 63	\$12.28 / \$15.12	\$12.64 / \$16.60	\$15.72 / \$19.08	\$18.88 / \$29.03	\$26.55 / \$34.08
TT-PTMC-M076-48-X-Z	3.00 / 76	\$13.20 / \$16.20	\$13.56 / \$17.48	\$16.76 / \$25.56	\$19.72 / \$30.80	\$27.12 / \$35.80

For the "X" value: specify either A, B, C, D, or E

For the "Z" value: specify "S" for Stainless Steel or "I" for Inconel

The PTFE (Teflon) is applied to the tadpole tape by dipping the tape through an immersion tank of liquid PTFE dispersion. The tape is then air dried as it leaves the dip tank. The result is a PTFE coating on the tape which is soft, robust and flexible; however, it can be abrasively removed from the tape with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptf remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight tape.

## 550°F / 287°C: Tuff-Flex™ TadpoleTape™ High Temperature White Rubber Coated Fiberglass (Tacky Cloth) with Rope Core With or Without Wire Insert



TadpoleTape™ made from Tuff-Flex™ 550 tacky cloth.

This is a widely used tadpole tape that provides a resilient and non-absorbent gasket material for service against steam, air, water and gases.

Especially useful where a rough or uneven surface or flange exists. The fabric is a fiberglass base with a special white rubber formulation. The fabric is tacky, and has a plastic film surface covering that is removed before installation. The fabric will stick to itself once the film is removed.

**Wire Inserted Version:** The fill (width wise) yarn for this version of the fabric has a twisted brass wired formed with it, providing additional strength and electrical conductivity/shielding.

550°F / 287°C continuous rating, excellent sealing properties as a gasket material

<b>Tuff-Flex™ TadpoleTape™ High Temperature White Rubber Coated Fiberglass Tacky Cloth with Rope Core: with or without wire insert</b>						
Part Number	Over All Width in / mm	Price per Foot By Bulb Size: A / B / C / D / E in / mm				
		"A" .375 / 7.9	"B" .500 / 13	"C" .625 / 15.8	"D" .750 / 19	"E" 1.000 / 25
TT-TCFG-M025-16-X-Z	1.00 / 25	\$ 4.80	\$ 5.12	\$ 5.80	NA	NA
TT-TCFG-M032-20-X-Z	1.25 / 32	\$ 5.00	\$ 5.56	\$ 6.24	NA	NA
TT-TCFG-M038-24-X-Z	1.50 / 38	\$ 5.48	\$ 5.84	\$ 6.52	\$ 7.48	NA
TT-TCFG-M044-28-X-Z	1.75 / 44	\$ 6.04	\$ 6.36	\$ 7.04	\$ 8.12	\$ 9.96
TT-TCFG-M051-32-X-Z	2.00 / 51	\$ 6.60	\$ 6.84	\$ 7.32	\$ 8.84	\$ 11.24
TT-TCFG-M063-40-X-Z	2.50 / 63	\$ 7.56	\$ 7.84	\$ 8.36	\$ 9.64	\$ 12.84
TT-TCFG-M076-48-X-Z	3.00 / 76	\$ 8.56	\$ 8.92	\$ 9.40	\$ 10.76	\$ 14.44

**For the "X" value in the part number specify either A, B, C, D, or E to correspond to the bulb size**

**For the "Z" value in the part number use "W" to specify with wire insert  
use "N" to specify no wire**

Same price with and without wire insert

Standard Rolls of 25 and 50 feet. For By-The-Foot pricing: add 25% to price shown.

**Curing:** It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure.

Do not overtorque the material during this curing time or the rubber will be squeezed off of the base material.

If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.

## 550°F / 287°C TadpoleTape™ High Temperature & Chemical Resistance Expanded PTFE s Teflon with Rope or Wire Mesh Core



- Made from expanded PTFE (ePTFE) (Teflon®)

Pure ePTFE tape formed into a tadpole with either a rope core or stainless steel mesh core.

Excellent corrosion resistance, high pressure resistance, easy to use.

Excellent resistance to almost all solvents, caustics and acids.

PTFE melting point is 620°F / 327°C.

Standard Roll of 100 feet. Sold in Full Rolls Only

550°F / 287°C continuous rating

TadpoleTape™ ePTFE with Rope Core						
Part Number	Over All Width in / mm	Price per Roll By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9	.500 / 13	.625 / 15.8	.750 / 19	1.000 / 25
TT-EPT-M025-16-X	1.00 / 25	\$ 915.33	\$ 1147.50	NA	NA	NA
TT-EPT-M032-20-X	1.25 / 32	\$ 1092.67	\$ 1340.00	\$ 1240.33	NA	NA
TT-EPT-M038-24-X	1.50 / 38	\$ 1250.67	\$ 1497.00	\$ 1422.67	\$ 1512.00	NA
TT-EPT-M044-28-X	1.75 / 44	\$ 1352.50	\$ 1672.33	\$ 2040.00	\$ 2153.33	NA
TT-EPT-M051-32-X	2.00 / 51	\$ 1936.67	\$ 2346.67	\$ 2273.33	\$ 2386.67	\$ 2690.00
TT-EPT-M063-40-X	2.50 / 63	\$ 2430.00	\$ 2790.00	\$ 2740.00	\$ 2853.00	\$ 3156.67
TT-EPT-M076-48-X	3.00 / 76	\$ 2990.00	\$ 3233.00	\$ 3206.67	\$ 3320.00	\$ 3623.33

TadpoleTape™ ePTFE with Stainless Steel Mesh Core						
Part Number	Over All Width in / mm	Price per Roll By Bulb Size: A / B / C / D / E in / mm				
		"A"	"B"	"C"	"D"	"E"
		.375 / 7.9	.500 / 13	.625 / 15.8	.750 / 19	1.000 / 25
TT-EPT-M025-16-X-S	1.00 / 25	\$ 1376.67	\$ 1456.67	NA	NA	NA
TT-EPT-M032-20-X-S	1.25 / 32	\$ 1598.00	\$ 1695.00	\$ 1823.33	NA	NA
TT-EPT-M038-24-X-S	1.50 / 38	\$ 1798.00	\$ 1896.00	\$ 2056.67	\$ 2453.33	NA
TT-EPT-M044-28-X-S	1.75 / 44	\$ 1930.00	\$ 2123.33	\$ 2290.00	\$ 2686.67	NA
TT-EPT-M051-32-X-S	2.00 / 51	\$ 2150.00	\$ 2346.67	\$ 2523.33	\$ 2920.00	\$ 3306.67
TT-EPT-M063-40-X-S	2.50 / 63	\$ 2643.33	\$ 2790.00	\$ 2990.00	\$ 3386.67	\$ 3773.33
TT-EPT-M076-48-X-S	3.00 / 76	\$ 3203.33	\$ 3233.33	\$ 3456.67	\$ 3853.33	\$ 4240.00

For the "X" value: specify either A, B, C, D, or E for the bulb size

# Rope

Silicone Rubber Coated Fiberglass .....	3-1
Fiberglass with PTFE (Teflon) Coating: Soft / Dense / Twisted / Square .....	3-2
Fiberglass: Knitted Soft / Knitted Dense / Twisted / Square Braided .....	3-6
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Fiberglass with Graphite Impregnation: Soft / Dense / Square .....	3-15
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Ceramic: Braided Knit / Twisted / Square .....	3-25
Stainless Steel / Inconel Mesh Rope .....	3-28



Silicone Rubber Coated  
Rope Page 3-1



High Temperature & Chemical  
Resistance Rope with PTFE:  
Knitted, Twisted, Square  
Page 3-2 / 3-5



Very High Temperature  
Ropes: Knitted, Twisted,  
Square. Page 3-6 / 3-11



Very High Temperature  
Rope with Wire Mesh Core  
Page 3-12



Very High Temperature Wire  
Jacketed Seals. Page 3-14



Very High Temperature Rope  
with Graphite: Soft, Dense,  
Square. Page 3-15 – 3-17



Vermiculite Coated Very High  
Temperature Rope: Knitted,  
Twisted, Square.  
Page 3-18 / 3-21



Extreme Temperature Silica  
Rope: Knitted, Twisted, Square  
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Extreme Temperature Ceramic  
Rope: Knitted, Twisted, Square  
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Stainless Steel Mesh Rope  
Page 3-28



## 500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Rope:

### Gasket Rope for Liquid / Gas / Steam



FlameGuard™ rope is excellent for high temperature sealing, especially for liquid or gas containment, steam, etc.

Also an excellent cold temperature rope with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with higher intermittent capability  
Weld splatter & molten metal splash protection.

FlameGuard™ High Temperature Silicone Rubber Coated Fiberglass Rope					
Nominal ID Inches / mm / Dash #			Part Number	Price per Foot	Price per Metre
1/4	6	-4	R-SR-FG-M006-04	\$ 1.85	\$ 6.07
5/16	8	-5	R-SR-FG -M008-05	\$ 1.99	\$ 6.53
3/8	10	-6	R-SR-FG -M010-06	\$ 2.74	\$ 8.98
1/2	13	-8	R-SR-FG -M013-08	\$ 3.39	\$ 11.12
5/8	16	-10	R-SR-FG -M016-10	\$ 4.50	\$ 14.76

Other larger size ropes can also be coated, please inquire. Also available; square braided ropes can be silicone rubber coated

Standard length is 100 feet / 30 Metres

High temperature rope, typically used as a gasket, providing a high-temperature seal that provides a higher degree of liquid or gas containment compared to a plain tape or rope gasket. The rope can be partially or completely coated (partially coated rope allows for gluing or other methods of fastening). This rope can also be fabricated into a closed ring and is ideal for many gasket and sealing applications on boilers and similar industrial appliances.

**This product is available By-The-Foot or in standard 100 foot / 30 Metre lengths**

## 550°F / 287°C: High Temperature Heat & Chemical Resistance Knitted Fiberglass Rope with PTFE (Teflon) Coating

### Soft Rope



- PTFE (Teflon®) Impregnation

This rope offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

PTFE melting point is 620°F / 327°C.

550°F / 287°C continuous rating, high insulation value & excellent personnel protection

High Temperature & Chemical Resistance Knitted Fiberglass Rope with PTFE (Teflon®) Coating: <i>Soft Rope</i>			
Part Number	OD Size inch / mm	List Price per foot / meter	Feet per Spool
R-PT-FG-KS-M002-01	0.062 / 1.6	\$ 1.20 / \$ 3.94	2,500
R-PT-FG-KS-M003-02	0.125 / 3	\$ 1.23 / \$ 4.04	1,500
R-PT-FG-KS-M005-03	0.187 / 5	\$ 1.25 / \$ 4.10	2,100
R-PT-FG-KS-M006-04	0.250 / 6	\$ 1.27 / \$ 4.17	1,300
R-PT-FG-KS-M010-06	0.375 / 10	\$ 1.36 / \$ 4.46	750
R-PT-FG-KS-M013-08	0.500 / 13	\$ 2.56 / \$ 8.40	500
R-PT-FG-KS-M016-10	0.625 / 16	\$ 2.98 / \$ 9.78	300
R-PT-FG-KS-M019-12	0.750 / 19	\$ 4.72 / \$ 15.49	200
R-PT-FG-KS-M022-14	0.875 / 22	\$ 5.28 / \$ 17.32	150
R-PT-FG-KS-M025-16	1.000 / 25	\$ 8.44 / \$ 27.69	125
R-PT-FG-KS-M032-20*	1.250 / 32	\$ 8.63 / \$ 28.31	85
R-PT-FG-KS-M038-24*	1.500 / 38	\$ 10.57 / \$ 34.68	55

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

The PTFE (Teflon) is applied to the rope by dipping the rope through an immersion tank of liquid PTFE dispersion. The rope is then air dried as it leaves the dip tank. The result is a PTFE coating on the rope which is soft, robust and flexible; however, it can be abrasively removed from the rope with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptf remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight rope.

## 550°F / 287°C: High Temperature Heat & Chemical Resistance Knitted Fiberglass Rope with PTFE (Teflon) Coating

### Dense Rope



- PTFE (Teflon®) Impregnation

This rope offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

PTFE melting point is 620°F / 327°C.

550°F / 287°C continuous rating, high insulation value

Very High Temperature Knitted Fiberglass Rope with PTFE (Teflon®) Coating: <i>Dense Rope</i>			
Part Number	OD Size inch / mm	List Price per foot	Feet per Spool
R-PT-FG-KD-M003-02	0.125 / 3	\$ 0.84	1,500
R-PT-FG-KD-M005-03	0.187 / 5	\$ 0.96	1,750
R-PT-FG-KD-M006-04	0.250 / 6	\$ 1.08	1,100
R-PT-FG-KD-M010-06	0.375 / 10	\$ 1.52	600
R-PT-FG-KD-M013-08	0.500 / 13	\$ 2.88	400
R-PT-FG-KD-M016-10	0.625 / 16	\$ 3.32	260
R-PT-FG-KD-M019-12	0.750 / 19	\$ 5.24	160
R-PT-FG-KD-M022-14	0.875 / 22	\$ 5.92	120
R-PT-FG-KD-M025-16	1.000 / 25	\$ 9.36	100
R-PT-FG-KD-M032-20*	1.250 / 32	\$ 9.60	70
R-PT-FG-KD-M038-24*	1.500 / 38	\$ 11.70	55
R-PT-FG-KD-M051-32*	2.000 / 51	\$ 48.77	50
R-PT-FG-KD-M064-40*	2.500 / 64	\$ 66.76	100
R-PT-FG-KD-M076-48*	3.000 / 76	\$ 84.30	100
R-PT-FG-KD-M102-64*	4.000 / 102	\$ 175.37	100

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

The PTFE (Teflon) is applied to the rope by dipping the rope through an immersion tank of liquid PTFE dispersion. The rope is then air dried as it leaves the dip tank. The result is a PTFE coating on the rope which is soft, robust and flexible; however, it can be abrasively removed from the rope with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptfe remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight rope.

## 550°F / 287°C: High Temperature Heat & Chemical Resistance Twisted Fiberglass Rope with PTFE (Teflon) Coating



- PTFE (Teflon®) Impregnation

This rope offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

PTFE melting point is 620°F / 327°C.

550°F / 287°C continuous rating, high insulation value & excellent personnel protection

High Temperature Heat & Chemical Resistance Fiberglass Twisted Rope with PTFE (Teflon®) Coating			
Part Number	OD Size inch / mm	List Price per foot	Feet per Spool
R-PT-FG-T-M003-02	0.125 / 3	\$ 0.99	2,525
R-PT-FG-T-M006-04	0.250 / 6	\$ 1.36	1,275
R-PT-FG-T-M010-06	0.375 / 10	\$ 2.56	969
R-PT-FG-T-M013-08	0.500 / 13	\$ 3.24	523
R-PT-FG-T-M016-10	0.625 / 16	\$ 5.20	305
R-PT-FG-T-M019-12	0.750 / 19	\$ 9.52	168
R-PT-FG-T-M022-14	0.875 / 22	\$ 11.04	144
R-PT-FG-T-M025-16	1.000 / 25	\$ 13.92	114
R-PT-FG-T-M032-20*	1.250 / 32	\$ 18.43	77
R-PT-FG-T-M038-24*	1.500 / 38	\$ 36.67	50
R-PT-FG-T-M051-28*	2.000 / 51	\$ 78.60	27

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

The PTFE (Teflon) is applied to the rope by dipping the rope through an immersion tank of liquid PTFE dispersion. The rope is then air dried as it leaves the dip tank. The result is a PTFE coating on the rope which is soft, robust and flexible; however, it can be abrasively removed from the rope with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptfе remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight rope.

## 550°F / 287°C: High Temperature Heat & Chemical Resistance Square Braided Fiberglass Rope with PTFE (Teflon) Coating



- PTFE (Teflon®) Impregnation

This rope offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

PTFE melting point is 620°F / 327°C.

550°F / 287°C continuous rating, high insulation value & chemical resistance

High Temperature & Chemical Resistance Fiberglass Square Braided Rope with PTFE (Teflon®) Coating			
Part Number	OD Size inch / mm	Price per foot	Feet per Spool
R-PT-FG-SQ-M006-04	0.250 / 6	\$ 5.60	375
R-PT-FG-SQ-M008-05	0.312 / 8	\$ 4.90	315
R-PT-FG-SQ-M010-06	0.375 / 10	\$ 5.07	285
R-PT-FG-SQ-M011-07	0.437 / 11	\$ 6.80	212
R-PT-FG-SQ-M013-08	0.500 / 13	\$ 8.90	162
R-PT-FG-SQ-M014-09	0.562 / 14	\$ 11.33	127
R-PT-FG-SQ-M016-10	0.625 / 16	\$ 13.70	105
R-PT-FG-SQ-M019-12	0.750 / 19	\$ 19.20	75
R-PT-FG-SQ-M022-14	0.875 / 22	\$ 26.17	55
R-PT-FG-SQ-M025-16	1.000 / 25	\$ 31.98	45
R-PT-FG-SQ-M032-20*	1.250 / 32	\$ 46.17	26
R-PT-FG-SQ-M038-24*	1.500 / 38	\$ 66.60	18
R-PT-FG-SQ-M051-32*	2.000 / 51	\$ 109.10	11

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

The PTFE (Teflon) is applied to the rope by dipping the rope through an immersion tank of liquid PTFE dispersion. The rope is then air dried as it leaves the dip tank. The result is a PTFE coating on the rope which is soft, robust and flexible; however, it can be abrasively removed from the rope with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptfe remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight rope.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Knitted Rope, Premium Grade: *Soft Rope*



This knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

Meets US Coast Guard specification 164.009 for incombustible material.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Rope Premium Grade: <i>Soft Rope</i>			
Part Number	OD Size inch / mm / dash#	Feet / Metres per Carton	Price per Carton
R-FG-KS-P-M002-01	0.062 / 1.6 / 01	2,500 / 762	\$ 750.00
R-FG-KS-P-M003-02	0.125 / 3 / -02	1,500 / 457	\$ 345.00
R-FG-KS-P-M005-03	0.187 / 5 / -03	2,500 / 762	\$ 675.00
R-FG-KS-P-M006-04	0.250 / 6 / -04	2,000 / 609	\$ 600.00
R-FG-KS-P-M008-05	0.312 / 8 / -05	1,500 / 457	\$ 645.00
R-FG-KS-P-M010-06	0.375 / 10 / -06	1,000 / 304	\$ 530.00
R-FG-KS-P-M011-07	0.437 / 11 / -07	750 / 228	\$ 502.50
R-FG-KS-P-M013-08	0.500 / 13 / -08	500 / 152	\$ 415.00
R-FG-KS-P-M016-10	0.625 / 16 / -10	450 / 137	\$ 436.50
R-FG-KS-P-M019-12	0.750 / 19 / -12	500 / 152	\$ 650.00
R-FG-KS-P-M022-14	0.875 / 22 / -14	300 / 91	\$ 669.00
R-FG-KS-P-M025-16	1.000 / 25 / -16	250 / 76	\$ 657.50
R-FG-KS-P-M032-20	1.250 / 32 / -20	175 / 38	\$ 862.75
R-FG-KS-P-M038-24	1.500 / 38 / -24	150 / 45	\$ 865.50
R-FG-KS-P-M044-28	1.750 / 44 / -28	90 / 27	\$ 740.70

Please call for additional discount pricing when ordering more than 6 cartons.

Knitted Fiberglass Rope is used extensively as a seal in ovens and kiln access doors, and also as a high-temperature packing.

**This Product is NOT Available By-The-Foot – Full Carton Only**

**Additional Technical Specifications:** Breaking Tenacity: 1.71 gf/TEX Std and Wet. Tensile Strength: 450,000-500,000 psi. Breaking Elongation: 4.81% Std and Wet. Elastic Recovery: 100% Average Stiffness: 2824.3 cn/TEX. Specific Gravity: 2.54 – 2.69. 75% tensile at 343°C. Softens 732 – 877°C. Melts 1121-1182°C.



## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Knitted Rope, Premium Grade: *Dense Rope*



This knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

Meets US Coast Guard specification 164.009 for incombustible material.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Rope Premium Grade: <i>Dense Rope</i>			
Part Number	OD Size inch / mm / dash#	Feet / Metres per Carton	Price per Carton
R-FG-KD-P-M003-02	0.125 / 3 / -02	1,500 / 457	\$ 450.00
R-FG-KD-P-M005-03	0.187 / 5 / -03	2,500 / 762	\$ 825.00
R-FG-KD-P-M006-04	0.250 / 6 / -04	1,500 / 457	\$ 600.00
R-FG-KD-P-M008-05	0.312 / 8 / -05	1,000 / 304	\$ 530.00
R-FG-KD-P-M010-06	0.375 / 10 / -06	700 / 213	\$ 511.00
R-FG-KD-P-M011-07	0.437 / 11 / -07	600 / 182	\$ 540.00
R-FG-KD-P-M013-08	0.500 / 13 / -08	450 / 137	\$ 585.00
R-FG-KD-P-M016-10	0.625 / 16 / -10	300 / 91	\$ 489.00
R-FG-KD-P-M019-12	0.750 / 19 / -12	350 / 106	\$ 665.00
R-FG-KD-P-M022-14	0.875 / 22 / -14	225 / 68	\$ 630.00
R-FG-KD-P-M025-16	1.000 / 25 / -16	200 / 60	\$ 686.00
R-FG-KD-P-M032-20	1.250 / 32 / -20	125 / 38	\$ 837.50
R-FG-KD-P-M038-24	1.500 / 38 / -24	100 / 30	\$ 903.00
R-FG-KD-P-M044-28	1.750 / 44 / -28	80 / 24	\$ 797.60

Please call for additional discount pricing when ordering more than 6 cartons.

Knitted Fiberglass Rope is used extensively as a seal in ovens and kiln access doors, and also as a high-temperature packing.

**This Product is NOT Available By-The-Foot – Full Carton Only**

**Additional Technical Specifications:** Breaking Tenacity: 1.71 gf/TEX Std and Wet. Tensile Strength: 450,000-500,000 psi. Breaking Elongation: 4.81% Std and Wet. Elastic Recovery: 100% Average Stiffness: 2824.3 cn/TEX. Specific Gravity: 2.54 – 2.69. 75% tensile at 343°C. Softens 732 – 877°C. Melts 1121-1182°C.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Knitted Rope, Industrial Grade: *Soft Rope*



This knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Commonly used for making gaskets on a variety of industrial and commercial boilers, ovens, furnaces. Used as a high temperature packing for shaft seals. Also used for residential wood and pellet stoves.

Other applications include a general purpose rope for industrial use, to suspend or hang objects or tie-off in high temperature environments in steel mills, aluminum and metals processing plants, etc.

Meets US Coast Guard specification 164.009 for incombustible material.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Rope Industrial Grade: <i>Soft Rope</i>			
Part Number	OD Size inch / mm	Feet / Metres per Spool	Price per Foot / Metre
R-FG-KS-I-M002-01*	0.062 / 1.6	2,500 / 762	\$ 0.36 / \$ 1.18
R-FG-KS-I-M003-02	0.125 / 3	1,500 / 457	\$ 0.28 / \$ 0.92
R-FG-KS-I-M005-03	0.187 / 5	2,100 / 640	\$ 0.29 / \$ 0.95
R-FG-KS-I-M006-04	0.250 / 6	1,300 / 396	\$ 0.32 / \$ 1.05
R-FG-KS-I-M010-06	0.375 / 10	750 / 228	\$ 0.56 / \$ 1.84
R-FG-KS-I-M013-08	0.500 / 13	500 / 152	\$ 1.04 / \$ 3.41
R-FG-KS-I-M016-10	0.625 / 16	300 / 91	\$ 1.12 / \$ 3.67
R-FG-KS-I-M019-12	0.750 / 19	200 / 60	\$ 1.64 / \$ 5.38
R-FG-KS-I-M022-14	0.875 / 22	150 / 45	\$ 2.40 / \$ 7.87
R-FG-KS-I-M025-16	1.000 / 25	125 / 38	\$ 3.32 / \$ 10.89
R-FG-KS-I-M032-20*	1.250 / 32	85 / 25	\$ 3.40 / \$ 11.15
R-FG-KS-I-M038-24*	1.500 / 38	55 / 16	\$ 4.20 / \$ 13.77

This product is not to be used for life safety applications

**This Product is Available By-The-Foot / Metre Except Where Indicated**

\*These items are sold in full length spools only.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Knitted Rope, Industrial Grade: *Dense Rope*



This knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Commonly used for making gaskets on a variety of industrial and commercial boilers, ovens, furnaces. Used as a high temperature packing for shaft seals. Also used for residential wood and pellet stoves.

Other applications include a general purpose rope for industrial use, to suspend or hang objects or tie-off in high temperature environments in steel mills, aluminum and metals processing plants, etc.

Meets US Coast Guard specification 164.009 for incombustible material.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Knitted Rope Industrial Grade: <i>Dense Rope</i>			
Part Number	OD Size inch / mm / dash#	Feet / Metres per Spool	Price per Foot / Metre
R-FG-KD-I-M003-02	0.125 / 3 / -02	1,500 / 457	\$ 0.36
R-FG-KD-I-M005-03	0.187 / 5 / -03	1,750 / 533	\$ 0.24
R-FG-KD-I-M006-04	0.250 / 6 / -04	1,100 / 335	\$ 0.28
R-FG-KD-I-M010-06	0.375 / 10 / -06	600 / 182	\$ 0.52
R-FG-KD-I-M013-08	0.500 / 13 / -08	400 / 121	\$ 0.96
R-FG-KD-I-M016-10	0.625 / 16 / -10	260 / 79	\$ 1.04
R-FG-KD-I-M019-12	0.750 / 19 / -12	160 / 48	\$ 1.56
R-FG-KD-I-M022-14	0.875 / 22 / -14	120 / 36	\$ 2.20
R-FG-KD-I-M025-16	1.000 / 25 / -16	100 / 30	\$ 3.16
R-FG-KD-I-M032-20*	1.250 / 32 / -20	70 / 21	\$ 3.73
R-FG-KD-I-M038-24*	1.500 / 38 / -24	55 / 16	\$ 5.67
R-FG-KD-I-M051-32*	2.000 / 51 / -32	50 / 15	\$ 13.70
R-FG-KD-I-M064-40*	2.500 / 64 / -40	100 / 30	\$ 19.80
R-FG-KD-I-M076-48*	3.000 / 76 / -48	100 / 30	\$ 29.60
R-FG-KD-I-M102-64*	4.000 / 102 / -64	100 / 30	\$ 47.50

This product is not to be used for life safety applications

**This Product is Available By-The-Foot / Metre Except Where Indicated**

\*These items are sold in full length spools only.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Twisted Rope: Premium Grade



This high temperature and heat resistant knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Meets US Coast Guard specification 164.009 for incombustible material.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Twisted Rope Premium Grade			
Part Number	OD Size inch / mm	Feet / Metres per Spool	Price per Foot / Metre
R-FGT-P-M003-02	0.125 / 3 / -02	2,525 / 769	\$ 0.24 / \$ 0.79
R-FGT-P-M006-04	0.250 / 6 / -04	1,275 / 388	\$ 0.44 / \$ 1.44
R-FGT-P-M010-06	0.375 / 10 / -06	969 / 295	\$ 0.52 / \$ 1.71
R-FGT-P-M013-08	0.500 / 13 / -08	523 / 159	\$ 1.04 / \$ 3.41
R-FGT-P-M016-10	0.625 / 16 / -10	305 / 92	\$ 1.40 / \$ 4.59
R-FGT-P-M019-12	0.750 / 19 / -12	168 / 51	\$ 3.08 / \$ 10.10
R-FGT-P-M022-14	0.875 / 22 / -14	144 / 43	\$ 3.60 / \$ 11.81
R-FGT-P-M025-16	1.000 / 25 / -16	114 / 34	\$ 4.40 / \$ 14.43
R-FGT-P-M032-20*	1.250 / 32 / -20	77 / 23	\$ 6.10 / \$ 20.01
R-FGT-P-M038-24*	1.500 / 38 / -24	50 / 15	\$ 12.50 / \$ 41.00
R-FGT-P-M051-32*	2.000 / 51 / -32	27 / 8	\$ 29.77 / \$ 97.65

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Braided Square Rope: Premium Grade (Square Dry Packing Rope)



This knitted rope is fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

Braided square rope is often used as a square dry packing.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Fiberglass Braided Square Rope - Premium Grade			
Part Number	OD Size inch / mm	Feet / Metres per Spool	Price per Foot / Metre
R-FG-SQ-P-M006-04	0.250 / 6 / -04	375 / 114	\$ 1.60 / \$ 5.25
R-FG-SQ-P-M008-05	0.312 / 8 / -05	315 / 96	\$ 1.87 / \$ 6.13
R-FG-SQ-P-M010-06	0.375 / 10 / -06	285 / 86	\$ 2.10 / \$ 6.89
R-FG-SQ-P-M011-07	0.437 / 11 / -07	212 / 64	\$ 2.80 / \$ 9.18
R-FG-SQ-P-M013-08	0.500 / 13 / -08	162 / 49	\$ 3.67 / \$ 12.04
R-FG-SQ-P-M014-09	0.562 / 14 / -09	127 / 38	\$ 4.70 / \$ 15.42
R-FG-SQ-P-M016-10	0.625 / 16 / -10	105 / 32	\$ 5.67 / \$ 18.60
R-FG-SQ-P-M019-12	0.750 / 19 / -12	75 / 22.8	\$ 7.93 / \$ 26.01
R-FG-SQ-P-M022-14	0.875 / 22 / -14	55 / 16.7	\$ 10.83 / \$ 35.52
R-FG-SQ-P-M025-16	1.000 / 25 / -16	45 / 13.7	\$ 13.23 / \$ 43.39
R-FG-SQ-P-M032-20*	1.250 / 32 / -20	26 / 7.9	\$ 19.10 / \$ 62.65
R-FG-SQ-P-M038-24*	1.500 / 38 / -24	18 / 5.4	\$ 27.60 / \$ 90.53
R-FG-SQ-P-M051-32*	2.000 / 51 / -32	11 / 3.3	\$ 45.13 / \$ 148.03

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

## 1000°F / 537°C: Very High Temperature & Heat Resistant Fiberglass Braided Texturized Rope with Stainless Mesh Core



This rope starts with a stainless steel mesh core, providing a resilient push-back for applications such as kiln and lab oven doors.

The stainless rope core is then overbraided with a high quality type E fiberglass texturized yarn that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The texturized yarn provides high bulk to the rope shell.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Texturized Fiberglass Braided Rope with Stainless Mesh Core			
Part Number	OD Size inch / mm / dash#	Feet / Metres per Spool	Price per foot / Metre
R-FG-MC-P-M013-08	0.500 / 13 / -08	100 / 30.4	\$ 4.08 / \$ 13.38
R-FG-MC-P-M016-10	0.625 / 16 / -10	100 / 30.4	\$ 7.96 / \$ 26.11
R-FG-MC-P-M019-12	0.750 / 19 / -12	100 / 30.4	\$ 8.52 / \$ 27.95
R-FG-MC-P-M022-14	0.875 / 22 / -14	50 / 15.2	\$ 12.32 / \$ 40.41
R-FG-MC-P-M025-16	1.000 / 25 / -16	50 / 15.2	\$ 13.56 / \$ 44.48
R-FG-MC-P-M029-18	1.125 / 29 / -18	25 / 7.6	\$ 14.32 / \$ 46.97

**This Product is Available By-The-Foot / Metre**



## 1000°F / 537°C: Very High Temperature & Heat Resistant Heat Treated Fiberglass Braided Rope with Stainless Mesh Core

Extremely clean heat treated braid for clean-room & paint shop gasket applications



This rope starts with a stainless steel mesh core, providing a resilient push-back for applications such as kiln and lab oven doors, paint shop drying ovens.

The stainless rope core is then overbraided with a high quality type E fiberglass filament yarn that will not burn and will withstand continuous exposure to temperatures of 1000°F / 537°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable.

The filament yarn provides an extremely smooth and clean surface to the rope shell, and is excellent for use in clean room and paint shop ovens where loose fibers are not tolerated.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Filament Fiberglass Braided Rope with Stainless Mesh Core			
Part Number	OD Size inch / mm / dash#	Feet / Metres per Spool	Price per foot / Metre
R-FGHT-MC-P-M013-08	0.500 / 13 / -08	100 / 30.4	\$ 4.89 / \$ 15.98
R-FGHT-MC-P-M016-10	0.625 / 16 / -10	100 / 30.4	\$ 9.15 / \$ 29.93
R-FGHT-MC-P-M019-12	0.750 / 19 / -12	100 / 30.4	\$ 9.79 / \$ 32.04
R-FGHT-MC-P-M022-14	0.875 / 22 / -14	50 / 15.2	\$ 14.17 / \$ 46.33
R-FGHT-MC-P-M025-16	1.000 / 25 / -16	50 / 15.2	\$ 15.60 / \$ 50.99
R-FGHT-MC-P-M029-18	1.125 / 29 / -18	25 / 7.6	\$ 16.46 / \$ 53.85

**This Product is Available By-The-Foot / Metre**

## 1000°F / 537°C: Very High Temperature & Heat Resistant Wire Jacketed Fiberglass Kiln Door Seals



- Designed for high-cycle kiln doors.
- Helps prevent cold spots in the kiln.
- Improves efficiency and controls heat loss by providing a superior seal

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Fabricated from high quality type E fiberglass that will not burn and will withstand continuous exposure to temperatures of 1000°F / 520°C.

This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. The base fiber is manufactured to the specifications of ASTM D-578, ASTM committee D13, and subcommittee D13.18.

The seals are then jacketed with a knitted 30 stainless steel wire mesh, providing significant abrasion resistance.

Supplied cut to length, each seal can be custom fabricated from a wide variety of diameters and configurations to provide the precise thickness and depth of seal for each U channel design specification. Pre-engineering each seal insures a simple, labor saving solution to the problem of containing heat. This efficient design reduces fuel consumption and eliminates cold spots in brick/tile kilns which can cause some of the brick or tile to be under-fired.

Pricing is on application.

## 1000°F / 537°C: Very High Temperature Knitted Fiberglass Rope with Graphite Impregnation: *Soft Rope*



- Graphite Impregnation

Graphite adds lubrication to result in a very slippery rope with electrical conductivity.

Resists molten splash and splatter very well as it cannot stick to the graphite.

Service temperatures up to 1000°F / 537°C.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature Knitted Rope with Graphite: <i>Soft Rope</i>			
Part Number	OD Size inch / mm	List Price per foot	Feet per Spool
R-GR-FGS-01	0.062 / 1.6	\$ 1.44	2,500
R-GR-FGS-02	0.125 / 3	\$ 1.48	1,500
R-GR-FGS-03	0.187 / 5	\$ 1.53	2,100
R-GR-FGS-04	0.250 / 6	\$ 1.57	1,300
R-GR-FGS-06	0.375 / 10	\$ 2.04	750
R-GR-FGS-08	0.500 / 13	\$ 3.76	500
R-GR-FGS-10	0.625 / 16	\$ 4.40	300
R-GR-FGS-12	0.750 / 19	\$ 7.00	200
R-GR-FGS-14	0.875 / 22	\$ 7.84	150
R-GR-FGS-16	1.000 / 25	\$ 12.48	125
R-GR-FGS-20*	1.250 / 32	\$ 15.28	85
R-GR-FGS-24*	1.500 / 38	\$ 15.57	55

**This Product is Available By The Foot**

## 1000°F / 537°C: Very High Temperature Knitted Fiberglass Rope with Graphite Impregnation: *Dense Rope*



- Graphite Impregnation

Graphite adds lubrication to result in a very slippery rope with electrical conductivity.

Resists molten splash and splatter very well as it cannot stick to the graphite.

Service temperatures up to 1000°F / 537°C.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature Knitted Rope with Graphite: <i>Dense Rope</i>			
Part Number	OD Size inch / mm	List Price per foot	Feet per Spool
R-GR-FGD-02	0.125 / 3	\$ 0.76	1,500
R-GR-FGD-03	0.187 / 5	\$ 0.84	1,750
R-GR-FGD-04	0.250 / 6	\$ 1.28	1,100
R-GR-FGD-06	0.375 / 10	\$ 2.20	600
R-GR-FGD-08	0.500 / 13	\$ 4.20	400
R-GR-FGD-10	0.625 / 16	\$ 4.88	260
R-GR-FGD-12	0.750 / 19	\$ 7.76	160
R-GR-FGD-14	0.875 / 22	\$ 8.68	120
R-GR-FGD-16	1.000 / 25	\$ 13.84	100
R-GR-FGD-20*	1.250 / 32	\$ 14.13	70
R-GR-FGD-24*	1.500 / 38	\$ 17.30	55
R-GR-FGD-32*	2.000 / 51	\$ 72.07	50
R-GR-FGD-40*	2.500 / 64	\$ 88.67	100
R-GR-FGD-48*	3.000 / 76	\$ 97.66	100
R-GR-FGD-64*	4.000 / 102	\$ 196.88	100

**This Product is Available By The Foot**

## 1000°F / 537°C: Very High Temperature Square Braided Fiberglass Rope with Graphite Impregnation



- Graphite Impregnation

Graphite adds lubrication to result in a very slippery rope with electrical conductivity.

Resists molten splash and splatter very well as it cannot stick to the graphite.

Service temperatures up to 1000°F / 537°C.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature Square Braided Rope with Graphite Coating				
Part Number	OD Size inch / mm	Price per foot	Feet per Pound	Feet per Spool
R-GR-FGSQ-04	0.250 / 6	\$ 7.16	15	375
R-GR-FGSQ-05	0.312 / 8	\$ 7.46	12.6	315
R-GR-FGSQ-06	0.375 / 10	\$ 6.73	11.4	285
R-GR-FGSQ-07	0.437 / 11	\$ 9.10	8.5	212
R-GR-FGSQ-08	0.500 / 13	\$ 11.80	6.5	162
R-GR-FGSQ-09	0.562 / 14	\$ 15.03	5.1	127
R-GR-FGSQ-10	0.625 / 16	\$ 18.25	4.2	105
R-GR-FGSQ-12	0.750 / 19	\$ 25.56	3	75
R-GR-FGSQ-14	0.875 / 22	\$ 34.85	2.2	55
R-GR-FGSQ-16	1.000 / 25	\$ 42.60	1.8	45
R-GR-FGSQ-20*	1.250 / 32	\$ 58.41	1.05	26
R-GR-FGSQ-24*	1.500 / 38	\$ 81.78	.75	18
R-GR-FGSQ-32*	2.000 / 51	\$ 136.30	.45	11

**THIS PRODUCT IS SOLD IN ONE POUND INCREMENTS**

## 1500°F / 815°C: Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Rope: Soft



Vermiculite coated fiberglass rope is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion.

Vermiculite coated rope will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Knitted Rope: Soft			
Part Number	OD Size inch / mm / dash#	Price per foot / metre	Feet / metres per Spool
R-VC-FGKS-M002-01*	0.062 / 1.6 / -01	\$ 0.44 / \$ 1.45	2,500 / 762
R-VC-FGKS-M003-02	0.125 / 3 / -02	\$ 0.45 / \$ 1.48	1,500 / 457
R-VC-FGKS-M005-03	0.187 / 5 / -03	\$ 0.46 / \$ 1.51	2,100 / 640
R-VC-FGKS-M006-04	0.250 / 6 / -04	\$ 0.47 / \$ 1.55	1,300 / 396
R-VC-FGKS-M010-06	0.375 / 10 / -06	\$ 0.64 / \$ 2.10	750 / 228
R-VC-FGKS-M013-08	0.500 / 13 / -08	\$ 1.04 / \$ 3.42	500 / 152
R-VC-FGKS-M016-10	0.625 / 16 / -10	\$ 1.12 / \$ 3.67	300 / 91
R-VC-FGKS-M019-12	0.750 / 19 / -12	\$ 1.99 / \$ 6.53	200 / 60
R-VC-FGKS-M022-14	0.875 / 22 / -14	\$ 2.44 / \$ 8.00	150 / 45
R-VC-FGKS-M025-16	1.000 / 25 / -16	\$ 3.64 / \$ 11.94	125 / 38
R-VC-FGKS-M032-20*	1.250 / 32 / -20	\$ 4.57 / \$ 14.99	85 / 25
R-VC-FGKS-M038-24*	1.500 / 38 / -24	\$ 5.90 / \$ 19.35	55 / 16

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.



## 1500°F / 815°C: Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Rope: *Dense*



Vermiculite coated fiberglass rope is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion.

Vermiculite coated rope will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Knitted Rope: <i>Dense</i>			
Part Number	OD Size inch / mm	Price per foot	Feet per Spool
R-VC-FGD-M003-02	0.125 / 3 / -02	\$ 0.48	1,500
R-VC-FGD-M005-03	0.187 / 5 / -03	\$ 0.50	1,750
R-VC-FGD-M006-04	0.250 / 6 / -04	\$ 0.52	1,100
R-VC-FGD-M010-06	0.375 / 10 / -06	\$ 0.88	600
R-VC-FGD-M013-08	0.500 / 13 / -08	\$ 1.52	400
R-VC-FGD-M016-10	0.625 / 16 / -10	\$ 2.44	260
R-VC-FGD-M019-12	0.750 / 19 / -12	\$ 3.32	160
R-VC-FGD-M022-14	0.875 / 22 / -14	\$ 5.04	120
R-VC-FGD-M025-16	1.000 / 25 / -16	\$ 5.52	100
R-VC-FGD-M032-20*	1.250 / 32 / -20	\$ 6.37	70
R-VC-FGD-M038-24*	1.500 / 38 / -24	\$ 11.80	55
R-VC-FGD-M051-32*	2.000 / 51 / -32	\$ 23.70	50
R-VC-FGD-M064-40*	2.500 / 64 / -40	\$ 39.57	100
R-VC-FGD-M076-48*	3.000 / 76 / -48	\$ 58.73	100
R-VC-FGD-M102-64*	4.000 / 102 / -64	\$ 88.33	100

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

## 1500°F / 815°C: Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Rope: *Twisted*



Vermiculite coated fiberglass rope is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion.

Vermiculite coated rope will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Twisted Rope			
Part Number	OD Size inch / mm	Price per foot	Feet per Spool
R-VC-FGT-M003-02	0.125 / 3 / -02	\$ 0.32	2,525
R-VC-FGT-M006-04	0.250 / 6 / -04	\$ 1.20	1,275
R-VC-FGT-M010-06	0.375 / 10 / -06	\$ 1.60	969
R-VC-FGT-M013-08	0.500 / 13 / -08	\$ 2.88	523
R-VC-FGT-M016-10	0.625 / 16 / -10	\$ 4.60	305
R-VC-FGT-M019-12	0.750 / 19 / -12	\$ 8.36	168
R-VC-FGT-M022-14	0.875 / 22 / -14	\$ 9.72	144
R-VC-FGT-M025-16	1.000 / 25 / -16	\$ 12.32	114
R-VC-FGT-M032-20*	1.250 / 32 / -20	\$ 16.33	77
R-VC-FGT-M038-24*	1.500 / 38 / -24	\$ 32.47	50
R-VC-FGT-M051-32*	2.000 / 51 / -32	\$ 69.47	27

**This Product is Available By-The-Foot Except Where Indicated**

\*These items are sold in full length spools only.

## 1500°F / 815°C: Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Braided Square Rope (Square Dry Packing Rope)



Vermiculite coated fiberglass braided square rope is manufactured from texturized fiberglass yarns then coated with Vermiculite, a 100% inorganic dispersion.

Vermiculite coated rope will withstand temperatures up to 1500°F / 815°C constant exposure with excursions to 2000°F / 1093°F. Also offers abrasion resistant stability.

Square rope is often used as a square dry packing.

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Square Braided Rope			
Part Number	OD Size inch / mm / dash#	Feet per Spool / Pound	Price per foot (sold by pound)
R-VC-FGSQ-04	0.250 / 6 / -04	375 / 15	\$ 3.07
R-VC-FGSQ-05	0.312 / 8 / -05	315 / 12.6	\$ 3.47
R-VC-FGSQ-06	0.375 / 10 / -06	285 / 11.4	\$ 3.33
R-VC-FGSQ-07	0.437 / 11 / -07	212 / 8.5	\$ 4.07
R-VC-FGSQ-08	0.500 / 13 / -08	162 / 6.5	\$ 5.33
R-VC-FGSQ-09	0.562 / 14 / -09	127 / 5.1	\$ 6.80
R-VC-FGSQ-10	0.625 / 16 / -10	105 / 4.2	\$ 8.23
R-VC-FGSQ-12	0.750 / 19 / -12	75 / 3	\$ 11.51
R-VC-FGSQ-14	0.875 / 22 / -14	55 / 2.2	\$ 15.70
R-VC-FGSQ-16	1.000 / 25 / -16	45 / 1.8	\$ 19.17
R-VC-FGSQ-20*	1.250 / 32 / -20	26 / 1.05	\$ 27.66
R-VC-FGSQ-24*	1.500 / 38 / -24	18 / 0.75	\$ 39.95
R-VC-FGSQ-32*	2.000 / 51 / -32	11 / .45	\$ 65.38

**This Product is Available By-The-Pound Except Where Indicated  
Standard spool is 25 pounds**

\*These items are sold in full length spools only.

## 1800°F / 982°C: InSiMax™ / 2000°F / 1093°C: InSiMax™ XT Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Silica Knitted Rope: Dense



Knitted Rope

- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.
- Silica based materials provide burn-through protection from molten metal and weld splatter.

### InSiMax™ & InSiMax™ XT Extreme Temperature Heat Flame Resistant Knitted Silica Rope

Part Number	Size inch / mm / -dash			Length per Spool feet / metres		InSiMax™ Price per Foot / Metre	InSiMax™ XT Price per Foot / Metre
R-S-KD-M006-04-X	.250	6	-04	1138	346	\$ 2.16 / \$ 7.08	\$ 2.48 / \$ 8.14
R-S-KD-M010-06-X	.375	10	-06	625	190	\$ 2.40 / \$ 7.87	\$ 2.76 / \$ 9.05
R-S-KD-M013-08-X	.500	13	-08	375	114	\$ 2.88 / \$ 9.45	\$ 3.31 / \$ 10.87
R-S-KD-M016-10-X	.625	16	-10	250	76	\$ 4.04 / \$ 13.25	\$ 4.65 / \$ 15.24
R-S-KD-M019-12-X	.750	19	-12	205	62	\$ 4.88 / \$ 16.01	\$ 5.61 / \$ 18.41
R-S-KD-M022-14-X	.875	22	-14	138	42	\$ 6.24 / \$ 20.47	\$ 7.18 / \$ 23.54
R-S-KD-M025-16-X	1.000	25	-16	113	34	\$ 7.92 / \$ 25.98	\$ 9.11 / \$ 29.88
R-S-KD-M032-20-X*	1.250	32	-20	75	22	\$ 822.00 / spool	\$ 945.30 / spool
R-S-KD-M038-24-X*	1.500	38	-24	50	15	\$ 581.50 / spool	\$ 668.72 / spool

For the "X" value in the part number specify:

"IM" for 1800°F / 982°C InSiMax™

"XT" for 2000°F / 1093°C InSiMax™ XT

\* These items are sold in full length spools only.  
Quantity per spool can be +/- 10%.

**This Product is Available By-The-Foot Except Where Indicated**

## 1800°F / 982°C: InSilMax™ / 2000°F / 1093°C: InSilMax™ XT Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Silica Twisted Rope



Twisted Rope

- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.
- Silica based materials provide burn-through protection from molten metal and weld splatter.

InSilMax™ & InSilMax™ XT Extreme Temperature Heat Flame Resistant Twisted Silica Rope						
Part Number	Size inch / mm / -dash			Length per Spool feet / metres	InSilMax™ Price	InSilMax™ XT Price
R-S-T-M006-04-X*	.250	6	-04	100 / 30	\$ 387.00 / spool	\$ 445.05 / spool
R-S-T-M010-06-X*	.375	10	-06	100 / 30	\$ 591.00 / spool	\$ 679.65 / spool
R-S-T-M013-08-X*	.500	13	-08	100 / 30	\$ 762.00 / spool	\$ 876.30 / spool
R-S-T-M019-12-X*	.750	19	-12	100 / 30	\$ 1,373.00 / spool	\$ 1,578.95 / spool
R-S-T-M025-16-X*	1.000	25	-16	75 / 22	\$ 1,887.50 / spool	\$ 2,170.63 / spool

For the "X" value in the part number specify:

"IM" for 1800°F / 982°C InSilMax™

"XT" for 2000°F / 1093°C InSilMax™ XT

\* These items are sold in full length spools only.  
Quantity per spool can be +/- 10%.

**This Product is Available By-The-Foot Except Where Indicated**

## 1800°F / 982°C: InSilMax™ / 2000°F / 1093°C: InSilMax™ XT Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Square Braided Silica Rope



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.
- Silica based materials provide burn-through protection from molten metal and weld splatter.
- Used as a square dry packing.

Square Braided Rope

InSilMax™ & InSilMax™ XT Extreme High Temperature Heat Flame Resistant Square Braided Rope (Square Dry Packing Rope)						
Part Number	Size inch / mm / -dash			Length per Spool feet / metres	InSilMax™ Price per foot	InSilMax™ XT Price per foot
R-S-SQ-M006-04-X*	.250	6	-04	825 / 251	\$ 3.13	\$ 3.60
R-S-SQ-M010-06-X*	.375	10	-06	415 / 126	\$ 5.43	\$ 6.25
R-S-SQ-M013-08-X*	.500	13	-08	250 / 76	\$ 6.76	\$ 7.78
R-S-SQ-M016-10-X*	.625	16	-10	135 / 41	\$ 11.13	\$ 12.80
R-S-SQ-M019-12-X*	.750	19	-12	105 / 32	\$ 15.20	\$ 17.48
R-S-SQ-M022-14-X*	.875	22	-14	75 / 22.8	\$ 19.40	\$ 22.31
R-S-SQ-M025-16-X*	1.000	25	-16	65 / 19.8	\$ 21.50	\$ 24.73
R-S-SQ-M032-20-X*	1.250	32	-20	42 / 12.8	\$ 39.83	\$ 45.81
R-S-SQ-M038-24-X*	1.500	38	-24	32 / 9.7	\$ 46.98	\$ 54.01
R-S-SQ-M051-32-X*	2.000	51	-32	19 / 5.7	\$ 113.13	\$ 130.10

-15% for Full Spool Purchase

For the "X" value in the part number specify:

"IM" for 1800°F / 982°C InSilMax™

"XT" for 2000°F / 1093°C InSilMax™ XT

\*These items are sold in full length spools only.  
Quantity per spool can be +/- 10%.



## 2300°F / 1260°C: CerMax™ Extreme High Temperature, Heat & Flame Resistant Ceramic Fiber Braided Rope Premium & Industrial Grade



- A replacement and an alternative to asbestos. Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 2300°F / 1260°C continuously with excursions to 3000°F / 1650°C.

Braided Rope

CerMax™ Extreme High Temperature +Plus, Heat & Flame Resistant Ceramic Fiber Braided Rope: Premium & Industrial Grade							
Part Number	Size inch / mm / -dash			Spool length feet / metres		Price per spool Premium / Industrial	Price per foot Premium / Industrial
R-CFB-X-M006-04-Y	.250	6	-04	700	213	\$ 770.83 / \$ 616.66	\$ 1.72 / \$ 1.32
R-CFB-X-M010-06-Y	.375	10	-06	370	112	\$ 957.88 / \$ 766.31	\$ 4.04 / \$ 3.11
R-CFB-X-M013-08-Y	.500	13	-08	525	160	\$ 1129.16 / \$ 903.33	\$ 3.35 / \$ 2.58
R-CFB-X-M016-10-Y	.625	16	-10	350	106	\$ 1146.79 / \$ 917.43	\$ 5.11 / \$ 3.93
R-CFB-X-M019-12-Y	.750	19	-12	250	76	\$ 1151.71 / \$ 921.37	\$ 7.18 / \$ 5.52
R-CFB-X-M022-14-Y	.875	22	-14	180	54	\$ 1178.29 / \$ 942.63	\$ 10.21 / \$ 7.85
R-CFB-X-M025-16-Y	1.000	25	-16	125	38	\$ 1206.06 / \$ 964.85	\$ 15.04 / \$ 11.57
R-CFB-X-M029-20-Y	1.250	32	-20	100	30	\$ 1224.01 / \$ 979.21	\$ 19.08 / \$ 14.68
R-CFB-X-M032-24-Y	1.500	38	-24	75	22	\$ 1232.64 / \$ 986.11	\$ 25.64 / \$ 19.72
R-CFB-X-M051-32-Y	2.000	51	-32	48	14	\$ 1243.23 / \$ 994.58	\$ 40.40 / \$ 31.08

For the "X" value in the part number: use "P" to specify Premium grade  
use "I" to specify Industrial grade

For the "Y" value in the part number: use "SP" to specify full spool  
use "FT" to specify By-The-Foot

**Minimum Order for this product is \$50.00 for By-The-Foot Lengths**

## 2300°F / 1260°C: CerMax™ Extreme High Temperature, Heat & Flame Resistant Ceramic Twisted Fiber Rope: Premium & Industrial Grade



- A replacement and an alternative to asbestos. Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 2300°F / 1260°C continuously with excursions to 3000°F / 1650°C.

Twisted Rope

CerMax™ Extreme High Temperature +Plus, Heat & Flame Resistant Ceramic Fiber Twisted Rope: Premium & Industrial Grade							
Part Number	Size inch / mm / -dash			Spool length feet / metres		Price per spool Premium / Industrial	Price per foot Premium / Industrial
R-CFT-X-M006-04-Y	.250	6	-04	900	274	\$ 700.16 / \$ 560.13	\$ 1.21 / \$ 0.93
R-CFT-X-M010-06-Y	.375	10	-06	510	155	\$ 723.05 / \$ 578.44	\$ 2.21 / \$ 1.70
R-CFT-X-M013-08-Y	.500	13	-08	750	228	\$ 1196.71 / \$ 957.37	\$ 2.48 / \$ 1.91
R-CFT-X-M016-10-Y	.625	16	-10	500	152	\$ 1214.03 / \$ 971.22	\$ 3.78 / \$ 2.91
R-CFT-X-M019-12-Y	.750	19	-12	375	114	\$ 1235.59 / \$ 988.47	\$ 5.14 / \$ 3.95
R-CFT-X-M019-14-Y	.875	22	-14	275	83	\$ 1247.02 / \$ 997.61	\$ 7.07 / \$ 5.44
R-CFT-X-M025-16-Y	1.000	25	-16	225	68	\$ 1267.98 / \$ 1014.38	\$ 8.79 / \$ 6.76
R-CFT-X-M029-20-Y	1.250	32	-20	155	47	\$ 1279.66 / \$ 1023.73	\$ 12.88 / \$ 9.91
R-CFT-X-M032-24-Y	1.500	38	-24	110	33	\$ 1293.15 / \$ 1034.52	\$ 18.34 / \$ 14.11
R-CFT-X-M051-32-Y	2.000	51	-32	55	16	\$ 1306.48 / \$ 1045.18	\$ 37.08 / \$ 28.50

For the "X" value in the part number: use "P" to specify Premium grade  
 use "I" to specify Industrial grade

For the "Y" value in the part number: use "SP" to specify full spool  
 use "FT" to specify By-The-Foot

**Minimum Order for this product is \$50.00 for By-The-Foot Lengths**

## 2300°F / 1260°C: CerMax™ Extreme High Temperature, Heat & Flame Resistant Ceramic Fiber Square Braided Rope: Premium & Industrial Grade



- A replacement and an alternative to asbestos. Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 2300°F / 1260°C continuously with excursions to 3000°F / 1650°C.

Square Braided Rope

CerMax™ Extreme High Temperature, Heat & Flame Resistant Ceramic Fiber Square Braided Rope: Premium & Industrial Grade							
Part Number	Size inch / mm / -dash			Spool length feet / metres		Price per spool Premium / Industrial	Price per foot Premium / Industrial
R-CFSB-X-M006-04-Y	.250	6	-04	450	137	\$ 664.55 / \$ 531.64	\$ 2.30 / \$ 1.77
R-CFSB-X-M010-06-Y	.375	10	-06	240	73	\$ 697.30 / \$ 557.84	\$ 4.52 / \$ 3.48
R-CFSB-X-M013-08-Y	.500	13	-08	350	106	\$ 1209.22 / \$ 967.38	\$ 5.39 / \$ 4.15
R-CFSB-X-M016-10-Y	.625	16	-10	250	76	\$ 1200.26 / \$ 960.21	\$ 7.49 / \$ 5.76
R-CFSB-X-M019-12-Y	.750	19	-12	165	50	\$ 1216.93 / \$ 973.54	\$ 11.51 / \$ 8.85
R-CFSB-X-M019-14-Y	.875	22	-14	125	38	\$ 1226.84 / \$ 981.47	\$ 15.30 / \$ 11.77
R-CFSB-X-M025-16-Y	1.000	25	-16	100	30	\$ 1245.69 / \$ 996.55	\$ 19.42 / \$ 14.94
R-CFSB-X-M029-20-Y	1.250	32	-20	70	21	\$ 1264.53 / \$ 1011.62	\$ 28.18 / \$ 21.68
R-CFSB-X-M032-24-Y	1.500	38	-24	50	15	\$ 1277.41 / \$ 1021.93	\$ 39.86 / \$ 30.66
R-CFSB-X-M051-32-Y	2.000	51	-32	33	10	\$ 1284.09 / \$ 1027.27	\$ 60.69 / \$ 46.69

For the "X" value in the part number: use "P" to specify Premium grade  
use "I" to specify Industrial grade

For the "Y" value in the part number: use "SP" to specify full spool  
use "FT" to specify By-The-Foot

**Minimum Order for this product is \$50.00 for By-The-Foot Lengths**

## 1200°F / 648°C: Stainless Steel & 2300°F / 1260°C Inconel Mesh Rope



- Excellent Compressability
- Excellent EMI / RFI Gasket
- Used as a bulb core material

304 Stainless Steel Mesh Rope				
OD Size inch / mm		Part Number	List Price per Foot	Feet per Carton
1/4"	6	R-SS-M006-04	\$ 2.03	1000
5/16"	8	R-SS-M008-05	\$ 2.30	1000
3/8"	10	R-SS-M010-06	\$ 2.57	1500
1/2"	13	R-SS-M013-08	\$ 3.93	1000
5/8"	16	R-SS-M016-10	\$ 5.77	800
3/4"	19	R-SS-M019-12	\$ 7.37	600
7/8"	22	R-SS-M022-14	\$ 12.27	400
1"	25	R-SS-M025-16	\$ 14.73	300
1 1/4"	32	R-SS-M032-20	\$ 22.07	250
1 3/8"	35	R-SS-M035-22	\$ 25.70	150

Inconel Mesh Rope				
OD Size inch / mm		Part Number	List Price per Foot	Feet per Carton
1/4"	6	R-IN-M006-04	\$ 4.80	1000
3/8"	10	R-IN-M010-06	\$ 9.20	1500
1/2"	13	R-IN-M013-08	\$ 10.33	1000
5/8"	16	R-IN-M016-10	\$ 15.80	800
3/4"	19	R-IN-M019-12	\$ 21.27	600
7/8"	22	R-IN-M022-14	\$ 31.00	400
1"	25	R-IN-M025-16	\$ 46.73	300
1 1/4"	32	R-IN-M032-20	\$ 64.80	100
1 3/8"	35	R-IN-M035-22	\$ 71.23	100
1 7/8"	48	R-IN-M048-30	\$ 122.47	75

Please call for additional discount pricing when ordering more than 2 cartons.

## Fabric / Cloth / Fireblanket

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500F / 287C  
Silicone Rubber Coated Fire  
Blanket, Welding Blanket,  
Curtain-Shield Fabric & Cloth  
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550F / 287C  
Rubberized Fiberglass  
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Fiberglass with PTFE  
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550F / 287C  
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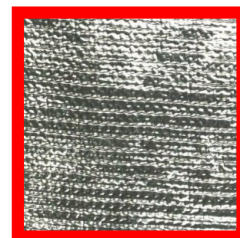
1000F / 537C  
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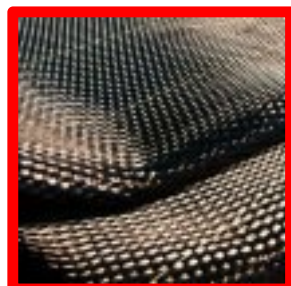
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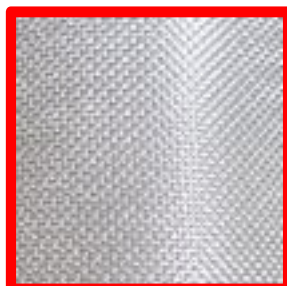
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1000F/537C  
Heat Reflecting  
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1200F / 648C  
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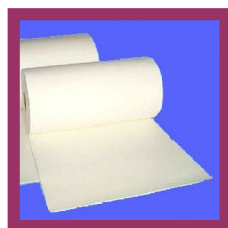
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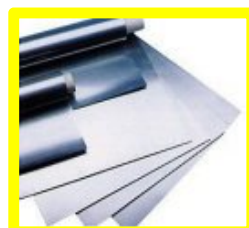
1800F/982C –  
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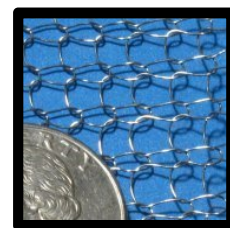
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950F/510C  
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1200F/648C  
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**500°F / 260°C: FlameGuard™ High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Cloth:**  
**Molten Metal SplashGuard™ / Fire Blanket / Welding Blanket / Curtains-Shields**

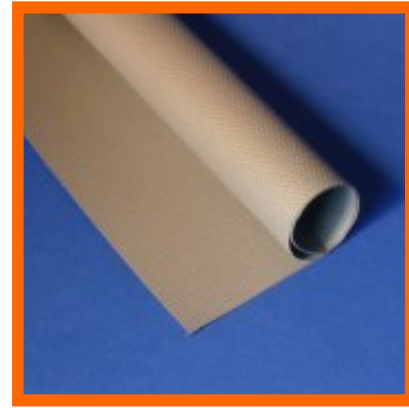
- **Heavy Duty Coated One Side / Medium Duty Coated One Side**
- **Light & Medium Duty Coated Two Sides**



Heavy Duty 50 & 98  
Coated 1 Side



Medium Duty 22 & 32  
Coated 2 sides



Light Duty 8.5, 15 & 18  
Coated 2 sides

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.  
 2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

<b>FlameGuard™ High Temperature Silicone Rubber Coated Fiberglass Fabric Molten Metal SplashGuard™ / Fire Blanket / Welding Splatter Blanket</b>					
<b>Part Number</b>	<b>Weight Linear foot / oz/yd<sup>2</sup></b>	<b>Roll Width In / cm</b>	<b>Thickness In / mm</b>	<b>Price per Yard</b>	<b>Price per Metre</b>
<b>1 side coated fabrics:</b>					
F-SR-FG-12540-98-1-OR	2.20 lbs / 98	40 / 101	0.125 / 3.175	\$ 321.00	\$ 349.89
F-SR-FG-6336-50-1-OR*	1.10 lbs / 50	36 / 91	0.063 / 1.60	\$ 116.60	\$ 127.09
<b>2 side coated fabrics:</b>					
F-SR-FG-00960-8.5-2-SG	0.29 lbs / 8.5	60 / 152	0.009 / 0.23	\$ 28.33	\$ 30.88
F-SR-FG-1460-15-2-SG	0.52 lbs / 15	60 / 152	0.014 / 0.36	\$ 34.16	\$ 37.24
F-SR-FG-1560-18-2-SG	0.40 lbs / 18	60 / 152	0.015 / 0.38	\$ 26.28	\$ 28.65
F-SR-FG-1760-22-2-OR	0.46 lbs / 22	60 / 152	0.017 / 0.43	\$ 38.61	\$ 42.09
F-SR-FG-3260-32-2-SG	0.70 lbs / 32	60 / 152	0.032 / 0.81	\$ 108.16	\$ 117.89

COLORS: OR = Oxide-Red / SG = Silver Grey

Available in lengths up to 150 feet / 50 Yards / 45 Metres

\* This material may be certified to MIL-I-24244 and meets NRC 1.36.

Heavy Duty 98oz SplashGuard is an extreme duty fabric often fabricated into sleeves or other forms to protect hoses, cables and equipment from extreme industrial environments. Can be used to drape over moulds and forms during liquid metal pouring operations to slow the cooling rate of the ingot.

Other lighter fabrics and 2 side coated fabrics are used as high temperature curtains and shields, weld splatter and pyro resistant sleeves and jackets, weather or spray-down / wash-down resistant high temperature fabric for making protective covers, sleeves, jackets.

All of these fabrics provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications. Flame Resistance: All fabrics provide 1 second maximum Flame Out and Afterglow; test method FED 191/5903.2.

**This Product is Available By-The-Yard / Metre: Discounts for full roll purchases**

## 550°F / 287°C: Tuff-Flex™ High Temperature Heat Resistant White Rubber Coated Fiberglass Universal Gasket Fabric (tacky cloth): With or Without Wire Insert



This is a widely used and universal fabric for making gaskets, especially where a rough or uneven surface or flange exists. The fabric is a fiberglass base with a special white rubber formulation. The fabric is tacky, and has a plastic film surface covering that is removed before installation. The fabric will stick to itself once the film is removed.

To prevent sticking, a dusted 2-side version of the fabric is available.

For added lubrication, higher contact temperature workability and electrical conductivity, a graphite coated version is available.

To facilitate installation instructions for end users, (for non symmetrical gaskets, etc.) the fabric is available with a Red/Black side (graphite on the black side).

**Wire Inserted Version:** The fill (widthwise) yarn for this version of the fabric has a twisted brass wired formed with it, providing additional strength and electrical conductivity/shielding.

550°F / 287°C continuous rating, excellent sealing properties as a gasket material

This fabric can be used to build shields for equipment panels, also providing high EMI/RFI shielding.

Tuff-Flex™ High Temperature White Rubber Coated Fiberglass Universal Gasket Fabric (Tacky Cloth)						
Part Number	Thickness in / mm	Feet / Metres per Roll	Price per Yard By Thickness: A / B / C / D			
			“A” Frictioned Tacky	“B” Dusted Both Sides	“C” Graphite Both Sides	“D” Red & Black
Gasket Cloth with Wire Insert						
F-TC-FG-W-06240-80-X	.0625 / 1.6	150 / 45	\$ 100.80	\$ 104.79	\$ 119.19	\$ 119.19
F-TC-FG-W-12540-160-X	.125 / 3.2	75 / 22	\$ 209.58	\$ 213.60	\$ 228.00	\$ 228.00
F-TC-FG-W-18740-240-X	.187 / 4.8	50 / 15	\$ 318.39	\$ 322.41	\$ 336.81	\$ 336.81
F-TC-FG-W-25040-320-X	.250 / 6.3	37.5 / 11	\$ 427.20	\$ 431.19	\$ 445.59	\$ 445.59
Gasket Cloth Without Wire Insert						
F-TC-FG-N-06240-80-X	.0625 / 1.6	150 / 45	\$ 82.80	\$ 92.55	\$ 101.40	\$ 101.40
F-TC-FG-N-12540-160-X	.125 / 3.2	75 / 22	\$ 172.11	\$ 173.55	\$ 190.68	\$ 190.68
F-TC-FG-N-18740-240-X	.187 / 4.8	50 / 15	\$ 258.12	\$ 260.34	\$ 276.69	\$ 276.69
F-TC-FG-N-25040-320-X	.250 / 6.3	37.5 / 11	\$ 344.19	\$ 347.16	\$ 362.73	\$ 362.73

- For the "X" value, Specify A, B, C or D in part number to correspond to the desired finish

Roll Width for all versions is 40"

Material weight is 80 oz/yd<sup>2</sup> for .0625 / 160 oz/yd<sup>2</sup> for .125 / 240 oz/yd<sup>2</sup> for .187 / 320 oz/yd<sup>2</sup> for .250

### This Product is Available By-The-Yard: Discounts for full roll purchases

Curing: It is recommended that this material be cured in situ. This material must be heated to a minimum of 300°F within 60 minutes, then it must sit at 300°F or higher for 90 minutes for the rubber to fully cure.

Do not overtighten the material during this curing time or the rubber will be squeezed off of the base material.

If the material is not fully cured, the rubber will drip from the material causing voids. After curing the material can be exposed to a lower operational temperature.

## 550°F / 287°C: High Temperature Heat & Chemical Resistance Fiberglass Fabric with PTFE (Teflon) Coating



- PTFE (Teflon®) Coating

This fabric offers the advantage of a non-asbestos material with higher temperature range and with excellent resistance to almost all solvents, caustics and acids.

The base fabric is rated to 1000°F / 537°C.

PTFE melting point is 620°F / 327°C.

This fabric is a dull white color.

550°F / 287°C continuous rating, high insulation value & excellent personnel protection

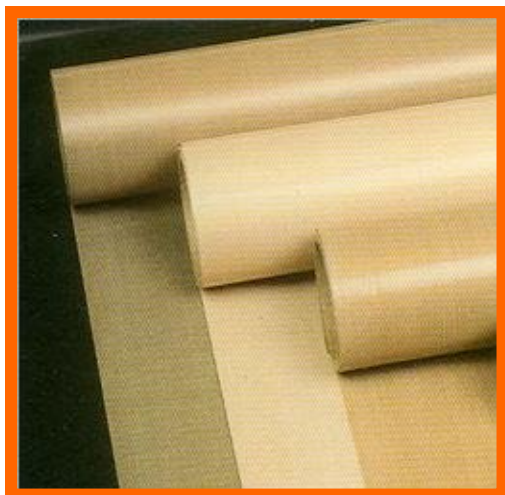
High Temperature, Heat & Chemical Resistance Fiberglass Fabric with PTFE (Teflon®) Coating				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard
F-PT-FG-6040-24N	24	40 / 101	.060 / 1.52	\$ 116.40
F-PT-FG-6060-24W	24	60 / 152	.060 / 1.52	\$ 216.00
F-PT-FG-6540-30N	30	40 / 101	.065 / 1.65	\$ 131.28
F-PT-FG-6560-30W	30	60 / 152	.065 / 1.65	\$ 266.40
F-PT-FG-7540-36N	36	40 / 101	.075 / 1.91	\$ 141.96
F-PT-FG-7540-36W	36	60 / 152	.075 / 1.91	\$ 228.24
F-PT-FG-9040-40N	40	40 / 101	.090 / 2.29	\$ 152.88
F-PT-FG-9060-40W	40	60 / 152	.090 / 2.29	\$ 271.92
F-PT-FG-12540-64N	64	40 / 101	.125 / 3.18	\$ 282.08
F-PT-FG-12560-64W	64	60 / 152	.125 / 3.18	\$ 470.40

Roll length is 50 yards / 45 Metres. Please call for pricing on fabric with PSA

### This Product is Available By-The-Yard: Discounts for full roll purchases

The PTFE (Teflon) is applied to the fabric by dipping the fabric through an immersion tank of liquid PTFE dispersion. The fabric is then air dried as it leaves the dip tank. The result is a PTFE coating on the fabric which is soft, robust and flexible; however, it can be abrasively removed from the fabric with aggressive fingernail scraping, resulting in a thinner and thinner layer of ptf remaining with each pass. The PTFE also causes the yarns to be sealed and the small gaps between the yarns filled, resulting in an almost air-tight / liquid-tight fabric.

## 550°F / 287°C: High Temperature Heat & Chemical Resistance DeltaGlass™ Fiberglass Fabric with PTFE (Teflon) Resin Impregnation and Self Adhesive Backing



- PTFE (Teflon®) Resin Impregnation.

This fabric offers higher temperature range with excellent resistance to almost all solvents, caustics and acids. Very smooth and non-porous ptfе finish. High Temperature self adhesive backing with peel-off protection layer to reveal the adhesive. Will not cold flow under heavy loads.

The base fabric is rated to 1000°F / 537°C. PTFE melting point is 620°F / 327°C.

Used in packaging as a release surface on heat sealers, blister and form-fill sealing equipment. Also used as a lining on guide rails, chutes and slides.

550°F / 287°C continuous rating, high insulation value & excellent personnel protection

High Temperature, Heat & Chemical Resistance DeltaGlass™ Fabric with PTFE (Teflon®) Impregnation and Self Adhesive				
Part Number	Total Thickness incl adhesive, in.	Fabric with Coating Thickness, in.	Adhesion to steel oz/in	Price per yard
F-PTRI-FG-PSA-004739	.0047	.0030	45	\$ call
F-PTRI-FG-PSA-006739	.0067	.0050	55	\$ call
F-PTRI-FG-PSA-007739	.0077	.0060	55	\$ call
F-PTRI-FG-PSA-017739	.0177	.0100	60	\$ call
F-PTRI-FG-PSA-015739	.0157	.0140	65	\$ call

- Adhesive Thickness is .0017 on all products
- Elongation at break is less than 5%
- Roll length is 36 yards
- Available in Standard and Premium grades. Premium grade has an almost perfectly smooth surface while standard grade surface has some profiling of the underlying base fabric.

**This Product is Available By-The-Yard: Discounts for full roll purchases**

The PTFE (Teflon) resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfе surface to remove it from the fabric with fingernail scraping.



## 1000°F / 537°C: DeltaGlass™ Very High Temperature & Heat Resistant Fiberglass Cloth Fabric: *Premium Grade*



- Manufactured of texturized fiberglass yarns, has a 1000°F / 537°C continuous rating while providing high insulation value & excellent personnel protection.
- Good abrasion resistance and tensile strength.
- A high-performance very high temperature fabric, used in almost all industries for heat protection.
- Also Available with specialty coatings such as Vermiculite, PTFE (Teflon), Aluminum foil, Neoprene/Latex. Also available with wire insert.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

DeltaGlass™ Very High Temperature & Heat Resistant Cloth Roll Fabric				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per Yard / Metre
<b>Heat Treated Fiberglass Cloth Blanket</b>				
F-FG-P-HT-3240-18	18	40 / 101	.032 / .81	\$ 20.16 / \$ 21.97
F-FG-P-HT-3260-18	18	60 / 152	.032 / .81	\$ 26.24 / \$ 28.60
<b>Plain Fiberglass Cloth Blanket</b>				
F-FG-P-6040-24	24	40 / 101	.060 / 1.52	\$ 26.85 / \$ 29.27
F-FG-P-6060-24	24	60 / 152	.060 / 1.52	\$ 37.23 / \$ 40.58
F-FG-P-6540-30	30	40 / 101	.065 / 1.65	\$ 30.18 / \$ 32.90
F-FG-P-6560-30 **	30	60 / 152	.065 / 1.65	\$ 42.36 / \$ 46.17
F-FG-P-7540-36	36	40 / 101	.075 / 1.91	\$ 32.64 / \$ 35.58
F-FG-P-7560-36	36	60 / 152	.075 / 1.91	\$ 60.60 / \$ 66.05
F-FG-P-9040-40	40	40 / 101	.090 / 2.29	\$ 35.16 / \$ 38.32
F-FG-P-9060-40	40	60 / 152	.090 / 2.29	\$ 62.52 / \$ 68.15
F-FG-P-12540-64	64	40 / 101	.125 / 3.18	\$ 71.32 / \$ 77.74
F-FG-P-12560-64 #	64	60 / 152	.125 / 3.18	\$ 117.60 / \$ 128.18
<b>Coated Weld-Splatter Shield: Black Color with light Neoprene/Latex Binder to reduce fray</b>				
F-FG-WS-3040-24	24	40 / 101	.030 / .79	\$ 22.53 / \$ 24.56
F-FG-WS-3060-24	24	60 / 152	.030 / .79	\$ 31.83 / \$ 34.69

Roll length is 150 Feet / 50 yards / 45 Metres. Please call for pricing on fabric with PSA

**\*\* Note: This fabric has MSHA-BC-109 Approval. # Minimum quantities may apply for this fabric**

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

\*\*\* This fabric is a fiberglass / aramid blend, with stainless steel wire insert. Max continuous temperature is 650F

**These Products are Available By-The-Yard / Metre: Discounts for full roll purchases**

**1000°F / 537°C: DeltaGlass™ Very High Temperature & Heat  
Resistant HHP31 Asbestos Replacement Fabric:  
Fiberglass Fabric with Stainless Steel Wire Insert**



Fig 1 – Fabric Roll

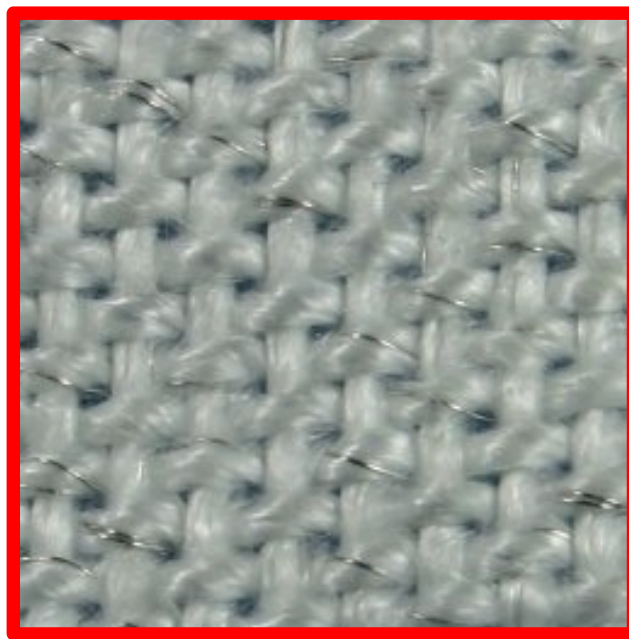


Figure 2 – Close up view

- Meets HHP31 F TY1
- Certification upon request

This fabric strengthened with an interwoven stainless steel wire which accounts for 10% of the fabric's weight. Each yarn is composed of 3 fiberglass filaments, interwoven with 2 wires, each 304 Stainless Steel (.0045" diameter), all twisted together. This provides a very dense and strong very high temperature wire mesh / fiberglass fabric with excellent tensile strength of 225 lbs Warp and 125 lbs Fill.

1000°F / 537°C continuous rating, high insulation value & excellent personnel protection

Used extensively as a gasket material for its reinforcement and high strength. This fabric can also used to build complex covers and shields for equipment panels, providing high EMI/RFI shielding. Also used for large stage proscenium fire-curtains due to the high strength of this fabric. This fabric replaces asbestos versions of HHP-31-TY 1, such as NSN 5330-00-027-2535

<b>DeltaGlass™ Very High Temperature &amp; Heat Resistant HHP-31 Asbestos Replacement Fabric</b>				
<b>Part Number</b>	<b>Weight oz/yd<sup>2</sup></b>	<b>Roll Width In / cm</b>	<b>Thickness In / mm</b>	<b>Price per Yard / Metre</b>
F-FG-HHP31-4160-24	24	60 / 152	.041 / 1.04	\$ 146.28 / \$ 159.45

Roll length is 150 Feet / 50 Yards / 45 Metres. Please call for pricing on fabric with PSA



## 1000°F / 537°C to 1300°F / 704°C: SteelTex™ Very High Temperature & Heat Resistant Fabrics with Wire Inserts



- Reinforced fabrics offer dimensional stability and additional support for fabrications such as expansion joints.
- Available with 304SS Stainless Steel wire or Inconel.
- Additional surface treatments have been added to extend the temperature range of the base fabric

SteelTex™ Very High Temperature & Heat Resistant Fabric with Reinforcement Wire				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per Yard / Metre
F-FG-WI-2550-18	18	50 / 127	.025 / .635	call
F-FG-WI-4160-24	24	60 / 152	.041 / 1.04	\$ 128.28 / \$ 139.82
F-FG-WI-8060-40	40	60 / 152	.080 / 2.03	\$ 86.70 / \$ 94.50
F-FG-WI-7060-35	35	60 / 152	.070 / 1.78	\$ 119.47 / \$ 130.22

SteelTex™ 2550-18 is a light weight fiberglass with 304 stainless steel wire re-enforcement. 1000°F / 537°C service temperature.

SteelTex™ 4160-24 is a medium weight fiberglass with 304 stainless steel wire re-enforcement similar to HHP31 but without the certification. 1000°F / 537°C service temperature.

SteelTex™ 8060-40 is a medium weight fiberglass and has a 304 stainless steel wire reinforcement in one direction. It also has a heat reflective aluminum flake coating on one side. Excellent for expansion joints, heat shields, gaskets. 1100°F / 593°C service temperature.

SteelTex™ 7060-35 is a medium weight fiberglass and has an inconel wire reinforcement in one direction. Perfect for expansion joints. Has a proprietary treatment which increases the service temperature to 1300°F / 704°C: stays soft and flexible even at high temperature.

Roll length is 150 Feet / 50 Yards / 45 Metres. Some products may be available by-the-yard.

Please call for pricing on fabric with PSA

## 1000°F / 537°C: DeltaGlass™ Aluminum Coated High Temperature & Radiant Heat Reflective Fabric Cloth



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- Various temperature ratings depending on the base fabric and the aluminum coating type (Foil or Mylar).
- Excellent radiant heat protection from sources such as super-hot metal slabs, proximity to liquid metal, infrared heaters, open flame / plasma or engine exhaust manifolds is a concern.

Aluminized Cloth Fabric offers protection when radiant heat from infrared sources such as super-hot metal slabs, proximity to liquid metal, open flame/plasma or engine exhaust manifolds is a concern.

Constructed from a high-temperature base fabric which is then coated with highly-reflective polished aluminum. Designed for long term continuous operation at 650°F / 343°C, this sleeve will withstand short duration exposure up to 1200°F / 650°C. The aluminum coating melts at 1220°F / 660°C, however it does take some time for the aluminum to absorb enough heat to melt – thereby it can withstand short exposure to the higher temperatures.

DeltaGlass™ Aluminized Radiant Heat Reflective Protection Fabric				
Part Number (Base Material)	Weight oz/yd <sup>2</sup>	Thickness in inches	Roll width in inches	Price per Yard
F-FG-RHR-1940-11-K (Kevlar)	11	.019	40	\$ 66.70
F-FG-RHR-2540-15-R (Rayon)	15	.025	40	\$ 66.96
F-FG-RHR-1840-16-F (Fiberglass)	16	.018	40	\$ 62.30
F-FG-RHR-6040-19-R (Rayon)	19	.060	40	\$ 49.96
F-FG-RHR-4540-19-K (Kevlar)	19	.045	40	\$ 49.40
F-FG-RHR-3040-21-F (Fiberglass)	21	.030	40	\$ 29.19
F-FG-RHR-3060-21-F (Fiberglass)	21	.030	60	\$ 47.07
F-FG-RHR-6040-35-F (Fiberglass)	35	.060	40	\$ 35.88
F-FG-RHR-5534-37-S (Silica) *	37	.055	34	\$ 126.06
F-FG-RHR-3034-19-S (Silica) *	19	.030	34	\$ 117.93

**This Product is Available By-The-Yard Except Where Indicated: Discounts for full roll purchases**

For PSA add \$26.80 per square yard

**\* Full 50 yard Rolls Only**

## 1000°F / 537°C: Stainless Steel Coated Fiberglass High Temperature & Radiant Heat Reflective Fabric



- Protection from intense radiant heat.
- Reflects more than 95% of the radiant heat that contacts its surface.
- A tougher corrosion resistant protection surface than aluminum coated products. Excellent molten splash, weld splatter and grinding spark protection.
- Flexible but much stiffer than aluminum coated fiberglass: sleeves and sleeves with Velcro crease and retain a bent shape when forced into a curve to follow a hose or cable path. Multiple shorter overlapping sections of sleeve reduces the amount of forced bending that may be required.
- Excellent radiant heat protection from sources such as super-hot metal slabs, proximity to liquid metal, infrared heaters, open flame / plasma or engine exhaust manifolds is a concern.

The Stainless Steel foil is calendared to the fiberglass substrate with an adhesive. The temperature limit of this laminate composite fabric is due to the limit of the adhesive material.

Stainless Steel Foil Coated Fiberglass Fabric Radiant Heat Reflective Protection				
Part Number	Weight oz/yd <sup>2</sup>	Thickness in inches	Roll width in inches	Price per Yard
F-FG-RHR-SS-3036-34	34	.030	36	\$ 102.03

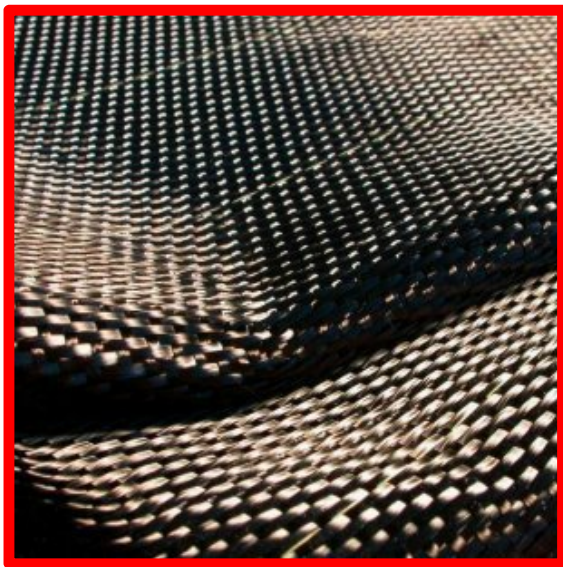
Call for pricing for sleeve, sleeve with Velcro and tape fabricated from this material.

Maximum continuous temperature exposure for this laminate is 500°F / 260°C, with short term higher exposures. Excellent corrosion resistance. Stainless Steel Foil Thickness: 0.002"

### Specifications

Weight:	34/oz/yd <sup>2</sup> - 1156 g/m <sup>2</sup> (+/- 10%)	ASTM-D-3776-96
Thickness:	0.030 +/- .001" - 0.762 mm +/- .025 mm	ASTM-D-1777-96
Tensile Strength:	Warp 250 lbs/in (44.72 kg/cm) Fill 200 lbs/in (35.72 kg/cm)	ASTM-D-5035-95
Tear Strength:	Warp 50 lbs (22.68 kg) Fill 50 lbs/in (22.68 kg)	ASTM-D-5587-96
Burst Strength	850 psi (59.5 kg/cm <sup>2</sup> )	ASTM-D-3786-87
Flame Resistance	Char length 1/16 in max (0.159cm max) Afterglow 1 sec max Flame Out 0 sec max	FED 191/5903.2

## 1200°F / 648°C: Very High Temperature & Heat Resistant Basalt Rock Fiber Cloth Fabric: *Premium Grade*



- Manufactured of basalt rock fiber: has a 1200°F / 648°C continuous rating while providing high insulation value & excellent personnel protection.
- Good abrasion resistance and tensile strength.
- Can replace aramid, fiberglass and carbon fibre fabrics.
- Used for many performance auto and motorsport applications due to its ability to handle high exhaust and turbo charger temperatures.
- Has a very shiny black gloss snakeskin appearance.

1200°F / 648°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant Basalt Rock Fibre Cloth Roll Fabric				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per Yard / Metre
F-BRF-00850-6	6	50 / 127	.008 / .20	\$ 70.97 / \$ 77.39
F-BRF-2550-19	19	50 / 127	.025 / .64	\$ 104.90 / \$ 114.34
F-BRF-2550-20	20	50 / 127	.025 / .64	\$ 123.70 / \$ 134.83

Roll length is 150 Feet / 50 yards / 45 Metres. Please call for pricing on fabric with PSA

**These Products are Available By-The-Yard / Metre: Discounts for full roll purchases**



## 1400°F / 760°C: Very High Temperature & Heat Resistant S-Glass Fiberglass: *Premium Grade*



- S-Glass Fiberglass has a 1400°F / 760°C continuous rating while providing high insulation value & excellent personnel protection.
- Very good abrasion resistance and tensile strength.
- S-Glass is a stronger and stiffer version of E-Glass and a higher modulus of elasticity (improved impact resistance over E-glass)

1400°F / 760°C continuous rating, high insulation value & excellent personnel protection

Very High Temperature & Heat Resistant S-Glass Fiberglass Cloth Roll Fabric				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per Yard / Metre
F-SFG-3260-19	19	60 / 152	.032 / .81	\$ 171.63 / \$ 187.08

Roll length is 150 Feet / 50 yards / 45 Metres. Please call for pricing on fabric with PSA

**These Products are Available By-The-Yard / Metre: Discounts for full roll purchases**

## 1500°F / 815°C: DeltaGlass™ VC Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Cloth Fabric (Fireblanket)



Manufactured of texturized fiberglass yarns, fabric has a 1500°F / 815°C continuous rating while providing high insulation value & excellent personnel protection. Coated with vermiculite for higher temperature performance and added abrasion resistance.

Good abrasion resistance and tensile strength.

Available with PSA (pressure sensitive adhesive\*).

1500°F / 815°C continuous rating, high insulation value & excellent personnel protection

A high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available

Very High Temperature & Heat Resistant Vermiculite Coated Fiberglass Blanket / Cloth / Fabric Roll				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard
F-VC-FG-2060-10	10	60 / 152	.020 / 0.51	\$ 23.71
F-VC-FG-6040-24	24	40 / 101	.060 / 1.52	\$ 38.88
F-VC-FG-6060-24	24	60 / 152	.060 / 1.52	\$ 54.00
F-VC-FG-6540-30	30	40 / 101	.065 / 1.65	\$ 43.74
F-VC-FG-6560-30	30	60 / 152	.065 / 1.65	\$ 63.56
F-VC-FG-7540-36	36	40 / 101	.075 / 1.91	\$ 47.31
F-VC-FG-7560-36	36	60 / 152	.075 / 1.91	\$ 84.83
F-VC-FG-9040-40	40	40 / 101	.090 / 2.29	\$ 50.94
F-VC-FG-9060-40	40	60 / 152	.090 / 2.29	\$ 90.63
F-VC-FG-12540-64	64	40 / 101	.125 / 3.18	\$ 98.72
F-VC-FG-12560-64	64	60 / 152	.125 / 3.18	\$ 164.64
** F-VC-FG-3560-20	20	60 / 152	.035 / 0.89	\$40.50

Roll length is 50 yards / 45 Metres. Please call for pricing on fabric with PSA

\*\*VCFCB cloth has a very high vermiculite content (10 to 12%). Allows for short term exposure to 2000°F and exceptional abrasion resistance.

\* Note: The PSA will burn off at temperatures above 400°F and should be used to facilitate installation. Material with PSA should not be used in confined areas at elevated temperatures without ventilation until all of the PSA has vaporized.

**This Product is Available By-The-Yard: Discounts for full roll purchases**



## 1800°F / 982°C: InSilMax™ Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Silica Cloth Fabric FireBlanket



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 1800°F / 982°C continuously with excursions to 3000°F / 1650°C.
- InSilMax provides burn-through protection from molten metal and weld splatter.
- A high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available.

1800°F / 982°C continuous rating, high insulation value & excellent personnel protection

InSilMax™ Extreme Temperature Silica Cloth Fabric				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard / metre
F-SF-2836-18	18	36 / 91	.028 / .71	\$ 35.13 / \$ 38.29
F-SF-3036-18*	18	36 / 91	.030 / .76	\$ 39.00 / \$ 42.51
F-SF-3060-18*	18	60 / 152	.030 / .76	\$ 72.12 / \$ 78.61
F-SF-5436-24	24	36 / 91	.054 / 1.4	\$ 68.48 / \$ 74.64
F-SF-5460-24	24	60 / 152	.054 / 1.4	\$ 123.20 / \$ 134.29
F-SF-6540-32	32	40 / 101	.065 / 1.6	\$ 128.60 / \$ 140.17
F-SF-8540-38	38	40 / 101	.085 / 2.2	\$ 151.13 / \$ 164.74
F-SF-9038-40	40	38 / 96	.090 / 2.3	\$ 96.08 / \$ 104.73
F-SF-9060-40	40	60 / 152	.090 / 2.3	\$ 136.24 / \$ 148.50
F-SF-11540-50	50	40 / 101	.115 / 2.9	\$ 139.70 / \$ 152.27

InSilMax™ Extreme Temperature Silica Cloth Fabric with Vermiculite Coating				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard / metre
F-VC-SF-6540-33	33	40 / 101	.065 / 1.65	\$ 146.37 / \$ 159.54
F-VC-SF-9540-42	42	40 / 101	.095 / 2.4	\$ 168.97 / \$ 184.17
F-VC-SF-12540-55	55	40 / 101	.125 / 3.2	\$ 184.78 / \$ 201.40

Vermiculite coating adds abrasion resistance and adds significantly to the fabric's durability.

These products are available in 150 foot / 50 yard / 45.8 metre rolls

**These Products are Available By-The-Yard / Metre Except as Indicated**  
**Items marked with \* are sold in full rolls only**  
**Discounts for full roll purchases**

## 2000°F / 1093°C: InSilMax™ XT Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Silica Cloth Fabric FireBlanket



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.
- InSilMax provides burn-through protection from molten metal and weld splatter.
- A high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available

2000°F / 1093°C continuous rating, high insulation value & excellent personnel protection

InSilMax™ XT Extreme Temperature Silica Cloth Fabric				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard / metre
F-SFXT-2836-18	18	36 / 91	.028 / .71	\$ 40.40 / \$ 44.03
F-SFXT-3036-18	18	36 / 91	.030 / .76	\$ 44.85 / \$ 48.89
F-SFXT-3060-18	18	60 / 152	.030 / .76	\$ 82.94 / \$ 90.40
F-SFXT-5436-24	24	36 / 91	.054 / 1.4	\$ 78.75 / \$ 85.84
F-SFXT-5460-24	24	60 / 152	.054 / 1.4	\$ 141.68 / \$ 154.43
F-SFXT-6540-32	32	40 / 101	.065 / 1.6	\$ 147.89 / \$ 161.19
F-SFXT-8540-38	38	40 / 101	.085 / 2.2	\$ 173.80 / \$ 189.45
F-SFXT-9038-40	40	38 / 96	.090 / 2.3	\$ 110.49 / \$ 120.44
F-SFXT-9060-40	40	60 / 152	.090 / 2.3	\$ 156.68 / \$ 170.78
F-SF-11540-50	50	40 / 101	.115 / 2.9	\$ 160.67 / \$ 175.11

InSilMax™ XT Extreme Temperature Silica Cloth Fabric with Vermiculite Coating				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard / metre
F-VC-SFXT-6540-33	33	40 / 101	.065 / 1.65	\$ 168.32 / \$ 183.47
F-VC-SFXT-9540-42	42	40 / 101	.095 / 2.4	\$ 194.32 / \$ 211.80
F-VC-SFXT-12540-55	55	40 / 101	.125 / 3.2	\$ 267.30 / \$ 291.35

Vermiculite coating adds abrasion resistance and adds significantly to the fabric's durability.

These products are available in 150 foot / 50 yard / 45.8 metre rolls

**These Products are Available By-The-Yard / Metre Except as Indicated**  
**Items marked with \* are sold in full rolls only**  
**Discounts for full roll purchases**

## 2300°F / 1260°C: AluMax™ Extreme High Temperature, Heat, Flame, Molten Metal & Weld Splatter Resistant Alumina Cloth Fabric FireBlanket



- An alternative to asbestos and ceramic based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber and can be used at 2300°F / 1260°C continuously with excursions to 3000°F / 1650°C.
- AluMax provides burn-through protection from molten metal and weld splatter.
- A high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available

2300°F / 1260°C continuous rating, high insulation value & excellent personnel protection

AluMax™ Extreme Temperature Fabric Alumina Cloth Blanket				
Part Number	Weight oz/yd <sup>2</sup>	Roll Width In / cm	Thickness In / mm	Price per yard / metre
F-AF-1940-14	14	40 / 101	.019 / .48	\$ 521.44 / \$ 568.37
F-AF-3840-20	20	40 / 101	.038 / .96	\$ 488.74 / \$ 532.73

These products are available in 150 foot / 50 yard / 45.8 metre rolls

**These Products are Available By-The-Yard / Metre: Discounts for full roll purchases**

## 2300°F / 1260°C: CerMax™ Extreme High Temperature +Plus, Heat & Flame Resistant Ceramic Fiber Paper: Premium Grade



- An alternative to asbestos.
- Light-weight, flexible, good handling strength
- Low thermal conductivity, good dielectric strength
- Excellent corrosion resistance
- Can be die-cut or stamped
- Produced from an extremely pure aluminosilicate ceramic fiber non woven fabric.
- Can be used at 2300°F / 1260°C continuously. Melts above 3000°F.

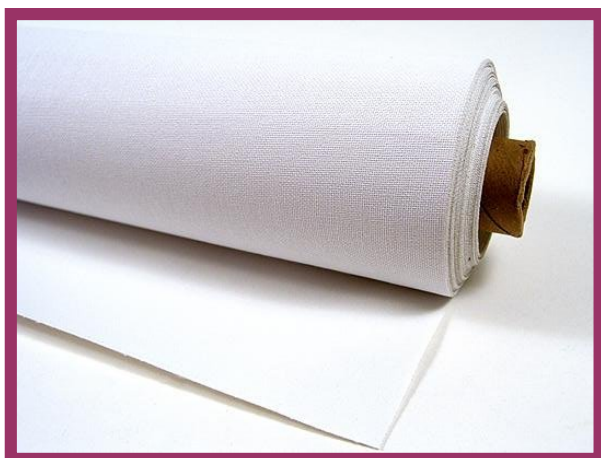
2300°F / 1260°C continuous rating, high insulation value & excellent personnel protection

CerMax™ Extreme High Temperature +Plus, Heat & Flame Resistant Ceramic Fiber Paper: Premium Grade				
Part Number	Thickness in / mm		Feet per Roll	Price per yard
F-CFP-06248	.062	1.6	125	\$ 31.68
F-CFP-12548	.125	3.2	62.5	\$ 49.44

Roll width is 48 inches / 1219 mm

**This Product is Available By-The-Yard: Discounts for full roll purchases**

## 2300°F / 1260°C: CerMax™ Extreme Temperature +Plus Ceramic Fibre Cloth Fabric: *Premium Grade*



- An alternative to asbestos based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.
- Highest purity ceramic fibre.

This is a high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available.

2300°F / 1260°C continuous rating, high insulation value & excellent personnel protection

<b>CerMax™ Extreme High Temperature +Plus, Heat &amp; Flame Resistant Premium Ceramic Fibre Blanket Cloth Fabric</b>				
<b>Part Number</b>	<b>Weight oz/yd<sup>2</sup></b>	<b>Roll Width In / cm</b>	<b>Thickness In / mm</b>	<b>Price per roll</b>
<b>1/16" / .0625" / 1.6mm Thick</b>				
F-CF-P-06236-22-1-IWI*	22	36 / 91	.0625 / 1.6	\$ 1693.21
F-CF-P-06236-21-1-FGI**	21	36 / 91	.0625 / 1.6	\$ 1542.67
<b>1/8" / .125" / 3.2mm Thick</b>				
F-CF-P-12536-43-2-IWI*	43	36 / 91	.125 / 3.2	\$ 2433.00
F-CF-P-12536-43-2-FGI**	41	36 / 91	.125 / 3.2	\$ 2246.25

\* This material contains an inconel wire insert

\*\* This material contains a glass filament insert

This product is available in 16.6 yard / 50 foot rolls

**This Product is NOT Available By-The-Yard: Discounts for full roll purchases**

## 2300°F / 1260°C: Extreme Temperature +Plus Ceramic Fibre Cloth Fabric: *Industrial Grade*



- An alternative to asbestos based textiles.
- Highly flexible and minimal shrinkage.
- High abrasion resistance and tensile strength.
- Melts above 3000°F / 1648°C.

This is a high-performance extreme-temperature fabric, used in almost all industries for the highest heat protection available.

2300°F / 1260°C continuous rating, high insulation value & excellent personnel protection

<b>CerMax™ Extreme High Temperature +Plus, Heat &amp; Flame Resistant Premium Ceramic Fibre Blanket Cloth Fabric</b>				
<b>Part Number</b>	<b>Weight oz/yd<sup>2</sup></b>	<b>Roll Width In / cm</b>	<b>Thickness In / mm</b>	<b>Price per roll</b>
<b>1/16" / .0625" / 1.6mm Thick</b>				
F-CF-I-06236-22-1-IWI*	22	36 / 91	.0625 / 1.6	\$ 806.25
F-CF-I-06236-21-1-FGI**	21	36 / 91	.0625 / 1.6	\$ 925.66
<b>1/8" / .125" / 3.2mm Thick</b>				
F-CF-I-12536-43-2-IWI*	43	36 / 91	.125 / 3.2	\$ 1067.50
F-CF-I-12536-43-2-FGI**	41	36 / 91	.125 / 3.2	\$ 1083.30

This product is available in 33 yard / 99 foot rolls

**This Product is NOT Available By-The-Yard: Discounts for full roll purchases**



## 950°F / 510°C to 5400°F / 2982°C: GraphTek Flexible Graphite Sheets and Rolls



- Plain or reinforced sheets, laminates and rolls.
- Available with 316 Stainless Steel Foil Insert, Tang Insert, 316 Stainless Steel Wire Insert, Mylar Insert
- Flexible Graphite is 99% Carbon, providing extreme heat protection, thermal dissipation, lubrication and electrical conductivity. Made from mineral (flake) graphite it is non metallic, but thermally and electrically conductive just like metals.
- Sheets are 39.4 inches x 39.4 inches and are cut from roll material.
- Premium grade has low sulphur content.

Service temperature range depends on surrounding conditions. Useable to 950°F / 510°C in an oxidizing atmosphere (standard air). Useable to 1500°F / 815°C in mild oxidizing or steam atmosphere and useable to 5400°F / 2982°C in non-oxidizing conditions.

GraphTek Flexible Homogeneous Graphite Sheet Roll					
Part Number	Thickness in inches	"A" 39.4" x 108' roll	"B" 39.4" x 39.4" Sheet	"C" 60" x 200' roll	"D" 5" x 108' roll
F-GRF-005-X	.005	\$ 182.50	\$ 56.25	NA	NA
F-GRF-010-X	.010	\$ 221.25	\$ 63.75	NA	NA
F-GRF-015-X	.015	\$ 260.00	\$ 73.75	\$ 635.00	NA
F-GRF-020-X	.020	\$ 338.75	\$ 85.00	\$ 1005.00	\$ 48.75
F-GRF-030-X	.030	\$ 492.50	\$ 107.50	NA	\$ 68.75
F-GRF-040-X	.040	\$ 595.00	\$ 131.25	NA	NA

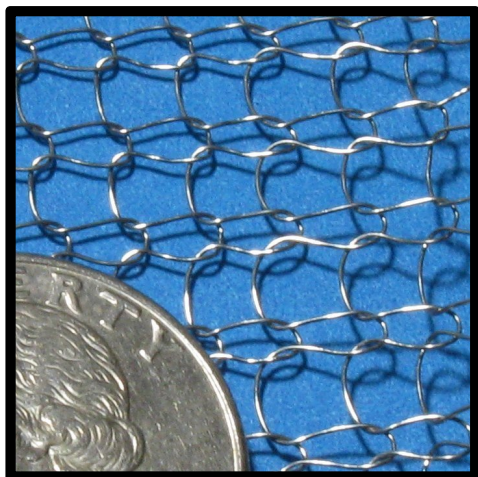
GraphTek Flexible Homogeneous Graphite Sheet Roll Premium Grade					
F-GRF-P-015-X	.015		\$ 607.50	NA	NA
F-GRF-P-0625-X	.0625		\$ 1316.25	NA	NA

GraphTek Flexible Graphite Laminate Sheet: 39.4" x 39.4"					
F-GRF-316SS Foil		NA	\$ Call	NA	NA
F-GRF-316SS-Tang		NA	\$ Call	NA	NA
F-GRF-316SS-Wire		NA	\$ Call	NA	NA
F-GRF-Mylar		NA	\$ Call	NA	NA
F-GRF-CarbonSteel		NA	\$ Call	NA	NA

For the "X" value, Specify A, B, C or D in part number to correspond to the desired size

## 1200°F / 648°C & 2300°F / 1260°C Knitted Mesh Fabric

### 304 Stainless Steel & Inconel



- 304 Stainless Steel Knitted Mesh. Made using .011 diameter wire.
- Inconel Knitted Mesh made from .008 diameter wire.
- Used to support insulation felt in fabricated exhaust system or other high temperature blankets.
- Many other uses where a guard or other protective aperture is required in hot applications.
- Knit Mesh allows two way stretch; unlike woven mesh.

Stainless Steel Knit Mesh is useable to 1200°F / 648°C.

Inconel Knit Mesh is useable to 2300°F/1260°C.

Knitted Mesh Fabric: 304 Stainless Steel & Inconel			
Part Number	Weight oz/yd <sup>2</sup>	Roll width in inches	Price per Yard
F-SSMF--30	11	30"	\$ 27.67
F-SSMF-42	11	42"	\$ 32.48
F-ISMF-30	10	30	\$ 193.57

This knitted mesh is produced as a tubular sleeve: and when rolled flat it is therefore a "double layer" of mesh, which users typically cut open to use as a single layer in their applications. The 30" width when cut open is 60" wide and the 42" roll when cut open is 84" wide.

Other knit mesh materials are available by special order: Plain Steel, Galvanized Steel, Aluminum, Copper, Tinned Copper, Inconel, Monel, Tungsten, Tantalum, Platinum, Gold Alloy, Gold Plated Copper, Silver Plated Copper, Polypropylene, Polyethylene, Nylon, Teflon

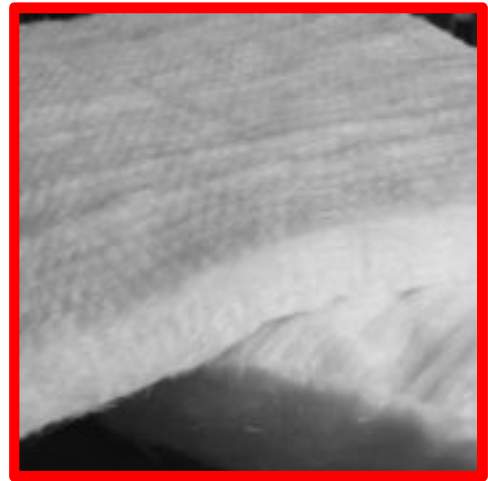
Intentionally Blank

# Insulation Materials

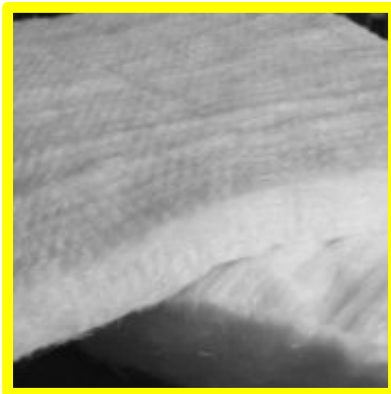
DeltaMax™ Silicone Foam Insulation Substitute .....	5-1
Needled Fiberglass Felt / Batt .....	5-2
InSilMax™ Needled Silica Felt / Batt .....	5-3
InSilMax™ XT Needled Silica Felt / Batt .....	5-4
InSilSafe™ Needled Vitreous Silicate Felt / Batt .....	5-5
Needled Ceramic Fiber Felt / Batt .....	5-6



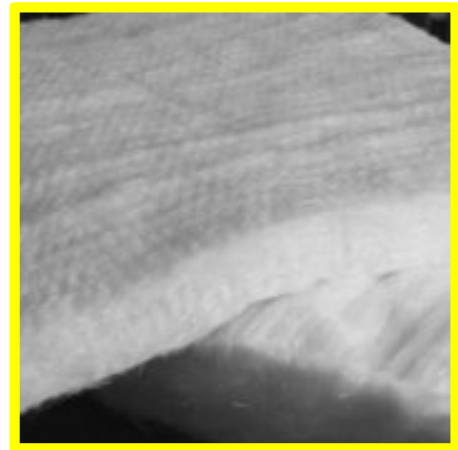
High Temperature  
DeltaMax™ Insulation Page 5-1



Very High Temperature  
DeltaMax™ Fiberglass Insulation Page 5-2



InSiMax™ XT Extreme Temperature  
Silica Insulation. Page 5-4



InSiMax™ Extreme Temperature  
Silica Insulation. Page 5-3



Extreme Temperature  
CerMax™ Fibre Insulation  
Page 5-6



InSiSafe™ XT Extreme Temperature  
Vitreous Silicate Insulation. Page 5-5

## 500°F / 260°C: DeltaMax™ High Temperature & Heat Resistant Low & Ultra-Low Thermal Conductivity Insulation Felt



- A unique proprietary insulation material available in two versions, offering low and ultra-low thermal conductivity and excellent performance for insulation requirements for low clearance applications. Typically ¼ the thickness of silicone foam insulations.
- Can be multi-layered. Total thickness is 0.084" per layer. A .002" thick cured silicone coating is on both sides, encapsulating a proprietary .080" core insulating material.
- Extremely flexible and light weight. Excellent for adding thermal insulation value to piping and vessels in tight constraints and also for equipment utilizing band or strip electrical heaters.

500°F / 260°C continuous rating, high insulation value & excellent personnel protection

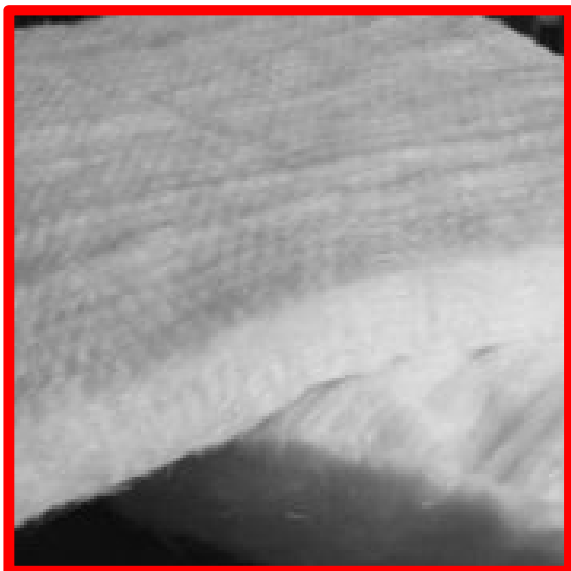
DM-1 provides 0.06 W/(m.K) thermal conductivity at 200°C. Weighs 16.7 oz/y<sup>2</sup>. DM-1 provides an 81°C temperature gradient (169°C surface temperature) with a 250°C source with a single layer.

DM-2 provides 0.03 W/(m.K) thermal conductivity at 200°C. Weighs 15.7 oz/y<sup>2</sup>. DM-2 provides an 122°C temperature gradient (128°C surface temperature) with a 250°C source with a single layer.

High Temperature, Heat Resistant DeltaMax™ Insulation Felt								
Part Number	Thickness in / mm		Thermal Conductivity W/(m.K)	Roll Width in / cm		Roll Length ft / m		Price per Sq Yard / Metre
IM-DM-1	.084	2.15	0.06	48	121	300	137	\$ 437.44
IM-DM-2	.084	2.15	0.03	48	121	300	137	\$ 437.44

**This Product is Available By-The-Yard / Metre – Minimum order is 10 yards**

## 1000°F / 537°C: DeltaMax™ Very High Temperature, Heat and Flame Resistant Fiberglass Insulation Felt / Matt / Batt Premium Grade



- Excellent insulation for sandwiching between front and rear (hot and cold side) layers of blankets & curtains.
- Non-flammable.
- Conforms to MIL-I-16411 Type II.
- Meets US Coast Guard 164.009 for incombustible materials.
- Meets MIL-I-24244 for corrosiveness.
- Thermal conductivity of .43 at 500°F and .536 at 649°F.

1000°F / 537°C continuous rating, high insulation value

Needled fiberglass insulation felt / matt / batt is manufactured from 100% non-woven E-type fiberglass textile fibers. It is used in a variety of applications and specifically designed for use in aerospace, automotive, construction and industrial applications due to its low corrosiveness (meeting MIL-I-24244).

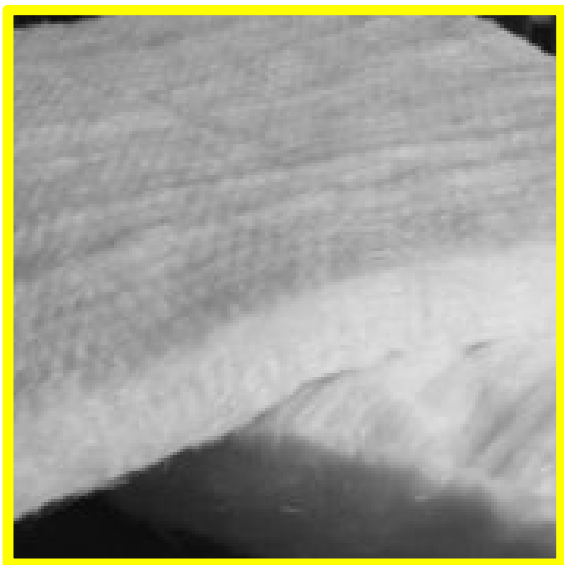
Used extensively in the production of removable pads for welding stress relieving, furnace and oven wall gap insulation, removable pipe insulation, gas and steam turbine power generating equipment blankets, etc.

Very High Temperature, Heat and Flame Resistant Fiberglass Insulation Felt / Matt / Batt Premium Grade									
Part Number	Thickness in / mm		Density lbs/ft <sup>3</sup> / kg/m <sup>3</sup>		Roll Width in / cm		Roll Length ft / m		Price per Yard / Metre
IM-NFI-04	¼	7	9	169	60	152	100	30.4	\$ 25.20 / \$ 27.47
IM-NFI-08	½	13	9	169	60	152	75	22.8	\$ 35.40 / \$ 38.59
IM-NFI-16	1	25	9	169	60	152	45	13.7	\$ 49.98 / \$ 54.48

**This Product is Available By-The-Yard / Metre**



## 1800°F / 982°C: InSilMax™ Extreme High Temperature Heat Flame Resistant Silica Insulation Felt / Matt / Batt



- An alternative to asbestos and ceramic based insulation materials.
- Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber ( $\text{SiO}_2$ ) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.

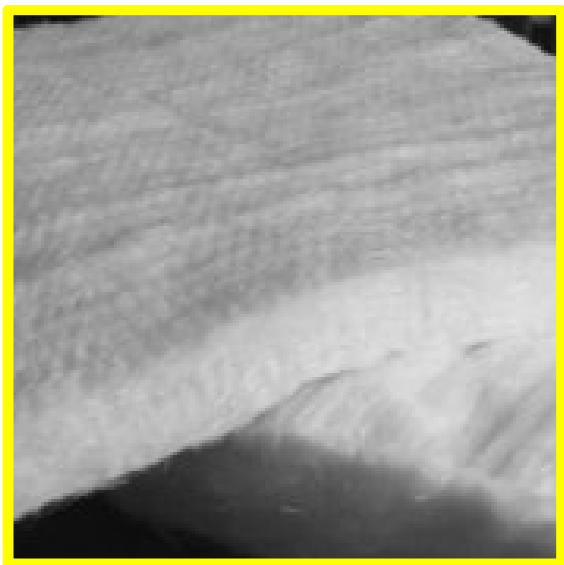
This Insulation is a needled blanket manufactured from amorphous silica. This material is an excellent alternative to Refractory Ceramic Fiber (RCF) or asbestos.

It is used in a variety of applications and specifically designed for use in aerospace, automotive, construction and industrial applications. Specific applications include: removable pads, furnace and oven insulation, pipe insulation, power generating equipment plus many more.

InSilMax™ Extreme High Temperature Heat & Flame Resistant Insulation									
Part Number	Thickness in / mm		Density lbs/ft <sup>3</sup> / kg/m <sup>3</sup>		Roll Width in / cm		Roll Length ft / m		Price per roll
IM-ISNI-M003-02	1/8	3	8	144	36	91	130	39	\$ 1237.00
IM-ISNI-M007-04	¼	7	10	180	36	91	99	30	\$ 1538.00
IM-ISNI-M013-08	½	13	10	180	36	91	49	15	\$ 1532.00
IM-ISNI-M025-16	1	25	10	180	36	91	25	7.6	\$ 1561.40

**This Product is NOT Available By-The-Foot – Full Roll Only**

## 2000°F / 1093°C: InSilMax™ XT Extreme High Temperature Heat Flame Resistant Silica Insulation Felt / Matt / Batt



- An alternative to asbestos and ceramic based insulation materials.
- Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2000°F / 1093°C continuously with excursions to 3000°F / 1650°C.

This Insulation is a needled blanket manufactured from amorphous silica. This material is an excellent alternative to Refractory Ceramic Fiber (RCF) or asbestos.

It is used in a variety of applications and specifically designed for use in aerospace, automotive, construction and industrial applications. Specific applications include: removable pads, furnace and oven insulation, pipe insulation, power generating equipment plus many more.

InSilMax™ XT Extreme High Temperature Heat & Flame Resistant Insulation									
Part Number	Thickness in / mm		Density lbs/ft <sup>3</sup> / kg/m <sup>3</sup>		Roll Width in / cm		Roll Length ft / m		Price per roll
IM-ISNIXT-M003-02	1/8	3	8	144	36	91	130	39	\$ 1456.00
IM-ISNIXT-M007-04	¼	7	10	180	36	91	99	30	\$ 1810.00
IM-ISNIXT-M013-08	½	13	10	180	36	91	49	15	\$ 1803.20
IM-ISNIXT-M025-16	1	25	10	180	36	91	25	7.6	\$ 1837.50

**This Product is NOT Available By-The-Foot – Full Roll Only**

## 1800°F / 982°C: InSilSafe™ Extreme High Temperature Heat Flame Resistant Vitreous Silicate Insulation Felt / Matt / Batt



- Bio-soluble, organic free, vitreous silicate mineral fibre.
- An alternative to asbestos, silica and ceramic based insulation materials.
- Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from a mineral fibre that can be used at 1800°F / 982°C continuously with excursions to 3000°F / 1650°C.

This Insulation is a needled blanket manufactured from Vitreous Silicate Fibre. This material is an excellent alternative to Refractory Ceramic Fiber (RCF), asbestos or Silica.

It is used in a variety of applications and specifically designed for use in aerospace, automotive, construction and industrial applications. Specific applications include: removable pads, furnace and oven insulation, pipe insulation, power generating equipment plus many more.

InSilSafe™ Extreme High Temperature Heat & Flame Resistant Insulation									
Part Number	Thickness in / mm		Density lbs/ft <sup>3</sup> / kg/m <sup>3</sup>		Roll Width in / cm		Roll Length ft / m		Price per roll
IM-IS-24-M007-04	¼	7	10	180	24	91	100	30	\$ 223.00
IM-IS-24-M013-08	½	13	10	180	24	91	50	15	\$ 175.67
IM-IS-24-M025-16	1	25	10	180	24	91	25	7.6	\$ 183.49
IM-IS-48-M007-04	¼	7	10	180	48	91	100	30	\$ 447.33
IM-IS-48-M013-08	½	13	10	180	48	91	50	15	\$ 351.33
IM-IS-48-M025-16	1	25	10	180	48	91	25	7.6	\$ 366.98
IM-IS-54-M007-04	¼	7	10	180	54	91	100	30	\$ 504.00
IM-IS-54-M013-08	½	13	10	180	54	91	50	15	\$ 396.00
IM-IS-54-M025-16	1	25	10	180	54	91	25	7.6	\$ 414.00
IM-IS-60-M007-04	¼	7	10	180	60	91	100	30	\$ 559.66
IM-IS-60-M013-08	½	13	10	180	60	91	50	15	\$ 439.71
IM-IS-60-M025-16	1	25	10	180	60	91	25	7.6	\$ 459.45

**This Product is NOT Available By-The-Foot – Full Roll Only**

## 2300°F / 1260°C: CerMax™ Extreme Temperature +Plus Ceramic Fiber Insulation: Premium Grade



- An alternative to asbestos based insulation materials.
- Highly flexible and minimal shrinkage.
- Melts above 3000°F / 1648°C.
- Produced from an extremely pure base fiber (SiO<sub>2</sub>) and can be used at 2300°F / 1260°C continuously with excursions to 3000°F / 1650°C.

This ceramic fiber insulation is a needled blanket manufactured from ceramic fiber and is an excellent alternative or replacement for asbestos.

It is used in a variety of applications and specifically designed for use in aerospace, automotive, construction and industrial applications. Specific applications include: removable pads, furnace and oven insulation, pipe insulation, power generating equipment plus many more.

CerMax Extreme High Temperature +Plus, Heat & Flame Resistant Ceramic Fiber Insulation									
Part Number	Thickness in / mm		Density lbs/ft <sup>3</sup> / kg/m <sup>3</sup>		Roll Width in / cm		Roll Length ft / m		Price per roll
IM-CFI-6-8-24*	.50	13	6	96	24	60	25	7.6	\$ 163.33
IM-CFI-6-8-48	.50	13	6	96	48	121	25	7.6	\$ 163.33
IM-CFI-8-8-24*	.50	13	8	128	24	60	25	7.6	\$ 183.33
IM-CFI-8-8-48	.50	13	8	128	48	121	25	7.6	\$ 183.33
IM-CFI-6-16-24	1	25	6	96	24	60	25	7.6	\$ 161.67
IM-CFI-6-16-48	1	25	6	96	48	121	25	7.6	\$ 323.33
IM-CFI-8-16-24	1	25	8	128	24	60	25	7.6	\$ 180.00
IM-CFI-8-16-48	1	25	8	128	48	121	25	7.6	\$ 360.00
IM-CFI-6-32-24	2	51	6	96	24	60	12.5	3.8	\$ 160.83
IM-CFI-6-32-48	2	51	6	96	48	121	12.5	3.8	\$ 321.67
IM-CFI-8-32-24	2	51	8	128	24	60	12.5	3.8	\$ 176.67
IM-CFI-8-32-48	2	51	8	128	48	121	12.5	3.8	\$ 356.67
IM-CFI-8-16-02**	1	25	8	128	2	5	25	7.6	\$ 198.33 / box
IM-CFI-8-16-03***	1	25	8	128	3	7.6	25	7.6	\$ 198.33 / box

\* Minimum order 2 rolls \*\* 12 rolls per box / \*\*\* 8 rolls per box

**This Product is NOT Available By-The-Foot – Full Roll Only**

# Abrasion Protection Spiral Wrap

Hard Shell Spiral Wrap .....2-1



Tuff-Wrap™ Hard Shell  
Abrasion Protection Spiral  
Wrap Page 6-1



## Tuff-Wrap™ Hard Shell Hose and Cable Protection Spiral Wrap



- Tuff-Wrap™ abrasion protection wrap is manufactured from highly impact resistant nylon, and is simply wrapped over hose or cable to provide a tough protection shell to reduce abrasion damage.
- This shell is much tougher than our fabric abrasion protection sleeve and is ideal for harsh environments such as mining, outdoor construction or where hoses and cables might be dragged over concrete plant floors.
- Available in sizes to wrap individual or bundled hoses and cables with a total ID up to 6 inches or 152mm.

Tuff-Wrap™ spiral wrap helps to organize and bundle hoses and cables, while proving heat resistance to a maximum of 190°F continuous duty, and provides excellent abrasion, scuff and wear resistance.

<b>Tuff-Wrap™ Nylon Heavy Duty Hard Shell Spiral Wrap</b> <b>Abrasion Protection for Hoses, Wire and Cables</b>					
Part Number	ID Size inch / mm / -dash			Pitch in inches	Price per Foot
SW-AP-M006-04	0.25	6	-04	0.25	\$ 0.93
SW-AP-M010-06	0.37	10	-06	0.25	\$ 1.13
SW-AP-M013-08	0.50	13	-08	0.50	\$ 1.23
SW-AP-M016-10	0.62	16	-10	0.50	\$ 1.33
SW-AP-M019-12	0.75	19	-12	0.62	\$ 1.60
SW-AP-M025-16	1.00	25	-16	0.62	\$ 2.30
SW-AP-M029-18	1.10	29	-18	1.00	\$ 4.03
SW-AP-M035-22	1.38	35	-22	1.00	\$ 5.30
SW-AP-M044-28	1.75	44	-28	1.40	\$ 7.57
SW-AP-M067-42 *	2.56	67	-42	1.40	\$ 9.47
SW-AP-M080-50 *	3.15	80	-50	1.40	\$ 11.80
SW-AP-M102-64 *	4.00	102	-64	2.00	\$ 13.70
SW-AP-M152-96 **	6.00	152	-96	2.00	\$ 27.40

Standard length is 40 feet. Items marked \* are 25 foot lengths. \*\* is 15 foot lengths.

For 5 to 20 lengths discount 7%. For 21 to 49 lengths discount 12%

Intentionally Blank

# Custom Fabrications & Fabrication Supplies

Welding Blankets & Curtains .....	7-1
Silica Plumber / Welder Pads .....	7-2
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Removable Blanket & Insulation for Exhaust Systems .....	7-4
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Welding Blankets &  
Curtains. Page 7-1



Plumber/Welder Pads  
Page 7-2



Kneeling Pads  
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Exhaust System  
Removeable Blankets  
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Cable Track Protection  
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FestoonShield Protection Page 7-5



Lift Cylinder Bellows Protection  
Page 7-5



Weatherproof Insulation  
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## Welding Blankets / Curtains

These blankets / curtains may be draped over equipment or cabling/hoses to protect against welding and grinding operations, or may be hung as a curtain to protect an area. May also be hung as a canopy or false ceiling to provide shielding from hot process piping or overhead repairs/fabrications.

Welding Blankets / Curtains		
Using FlameGuard FCB 1000°F / 537°C Fabric		
Part Number	Size feet / metres	Price
CF-WBC-46-FB	4 x 6 / 1.2 x 1.8	\$ 125.43
CF-WBC-66-FB	6 x 6 / 1.8 x 1.8	\$ 156.80
CF-WBC-88-FB	8 x 8 / 2.4 x 2.4	\$ 278.90
CF-WBC-810-FB	8 x 10 / 2.4 x 3.0	\$ 348.60
CF-WBC-1010-FB	10 x 10 / 3.0 x 3.0	\$ 435.77
CF-WBC-1015-FB	10 x 15 / 3.0 x 4.5	\$ 653.67

Using FlameGuard FCBHT (pre-shrunk) 1000°F / 537°C Fabric		
CF-WBC-66-FBHT	6 x 6 / 1.8 x 1.8	\$ 188.16
CF-WBC-88-FBHT	8 x 8 / 2.4 x 2.4	\$ 334.68
CF-WBC-810-FBHT	8 x 10 / 2.4 x 3.0	\$ 418.32
CF-WBC-1010-FBHT	10 x 10 / 3.0 x 3.0	\$ 522.92
CF-WBC-1015-FBHT	10 x 15 / 3.0 x 4.5	\$ 784.40

Using InSiMax ISCB 1800°F / 982°C Fabric		
CF-WBC-66-ETB90	6 x 6 / 1.8 x 1.8	\$ 350.73
CF-WBC-88-ETB90	8 x 8 / 2.4 x 2.4	\$ 623.53
CF-WBC-810-ETB90	8 x 10 / 2.4 x 3.0	\$ 779.47
CF-WBC-1010-ETB90	10 x 10 / 3.0 x 3.0	\$ 974.30
CF-WBC-1015-ETB90	10 x 15 / 3.0 x 4.5	\$ 1461.43

- Meets NFPA 701 / CPAI-84
- All Welding Blankets / Curtains are fabricated from a single layer of material.
- All outside edges are serged / overlocked to prevent fraying.
- Folded / stitched edges are available at extra charge.
- ½" Grommets are available at \$8.00 each, at any spacing desired.

For Custom Sizes Please Enquire

**1800°F / 982°C InSilMax™ Silica Cloth Plumber / Welder Pads**

These mini pads are fabricated from Extreme High Temperature Silica Cloth, with serged edges to prevent fraying, and with one edge folded and grommeted at two corners.

Can be hung or tacked behind welding, grinding or soldering work to protect walls, wiring, hoses, etc. from being damaged during maintenance or fabrication work.

These pads pay for themselves very quickly by preventing costly damage that could have been easily avoided.

<b>InSilMax™ Silica Cloth Plumber / Welder Pads</b>		
<b>Part Number</b>	<b>Size - Thickness inches</b>	<b>Price</b>
CF-WPI-810-090	8" x 10" / .090"	\$ 5.48
CF-WPI-810-054	8" x 10" / .054"	\$ 7.17
CF-WPI-1012-090	10" x 12" / .090"	\$ 8.87
CF-WPI-1012-054	10" x 12" / .054"	\$ 10.48



**1800°F / 982°C InSilMax™ Silica Cloth Kneeling Pads**

These kneeling pads are fabricated from Extreme High Temperature Silica Cloth, with Extreme High Temperature Silica Insulation sandwiched between the layers.

Very popular in steel plants, boiler industry, and can be used anywhere that a pad is required for personnel comfort and safety that will not burn and will withstand welding slag, grinding, torch flame and other hazards.

Three standard sizes are available or custom made to any size.

<b>InSilMax™ ThermalShield Kneeling Pad</b>		
<b>Part Number</b>	<b>Size</b>	<b>Price</b>
CF-KPI-1818	18" x 18"	\$ 155.34
CF-KPI-2424	24" x 24"	\$ 223.50
CF-KPI-3636	36" x 36"	\$ 284.00

## High Temperature Removable Blanket and Insulation Systems for Engine & Generator Exhaust Components: *For Mufflers, Turbo Chargers and Pipe*



Removable blanket sections are assembled with either locking wire or spring clips with hook fasteners mounted on the fabrics.



Needled insulation (fibreglass or silica) between outer layer of silicone or aluminized fabric and inner layer of stainless steel mesh.

Custom fabricated removable insulation systems for exhaust components such as mufflers, turbo-chargers and pipe feature high temperature capability, reduction of thermal radiation and convection within the engine room and sound reduction. Often used for marine power plants & generators and stationary backup power systems.

A thick needled fibreglass or silica insulation is mechanically supported by a stainless steel mesh and an outer fabric of either silicone rubber coated fibreglass, aluminized fibreglass or silica. Fibreglass is suitable for most non-turbocharged reciprocating engines. Silica may be required for turbo-charged engines or turbine engines.



Fabricated cover system for industrial generator exhaust system.



Fabricated cover for turbo-charger and exhaust system piping.

## Steel and Metal Processing Plant Custom Fabrications

### Festoon Protection Jacket Covers



### Power Track Protection Jacket Systems



### Bellows for Protecting Lift Cylinders





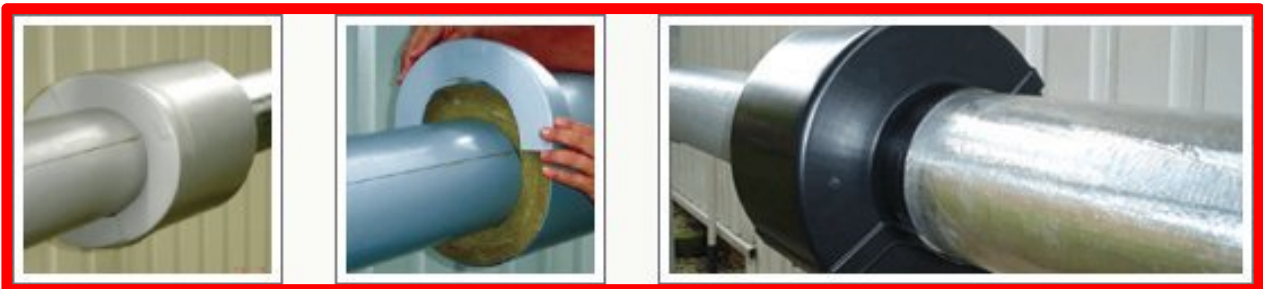
## High Temperature Non-Metallic Indoor/Outdoor Weatherproof Insulation & Corrosion Protection For Pipes and Vessels



Outdoor installation



Protection for Valves



Protection for Pipe Flanges



Elbow and Tee Molded Covers



Molded End Caps for Pipe

## High Temperature Heat Resistant Sewing Thread



These threads are widely used in the fabrication and sewing of anything requiring high temperature capability. They are used in our own fabrication shops and we have years of experience in knowing what threads are used for which applications. Quality thread made in USA & Canada.

- Nomex continuous is 662°F short term to 800°F.
- Kevlar continuous is 320°F short term to 600°F.
- Fiberglass continuous is 1000°F short term to 1200°F.
- 304 / Inox Stainless continuous is 1200°F short term to 1400°F.
- Quartz continuous is 1800°F short term to 2000°F.
- Alumina continuous is 2200°F short term to 2300°F.

### ThermalShield™ High Temperature & Heat Resistant Sewing Thread

Part Number	Material	Size	TEX	Diameter inch	Spool Weight, Lbs	Break Strength, Lbs	Yards per Lb	Natural Color	Price per Lb.
FAB-TH-K-30/2-X	Kevlar	30/2	40	0.004"	1	7	12000	Yellow	\$ 145.30
FAB-TH-K-30/3-X	Kevlar	30/3	60	0.006"	1	10	8000	Yellow	\$ 145.30
FAB-TH-K-30/4-X	Kevlar	30/4	70	0.007"	1	13	5700	Yellow	\$ 145.30
FAB-TH-K-30/5-X	Kevlar	30/5	100	0.008"	1	17	4800	Yellow	\$ 145.30
FAB-TH-KB-B69 ***	Bonded Kevlar	69	60	0.008"	1	23	6800	Yellow	\$ 380.74
FAB-TH-KB-B138 ***	Bonded Kevlar	138	120	0.012"	1	50	3200	Yellow	\$ 310.63
FAB-TH-KB-B160 ***	Bonded Kevlar	160	160	0.010"	1	57.5	2368	Yellow	\$ 310.63
FAB-TH-N-25* #	Nomex	25	90	0.009"	1	6	4850	White	\$107.92
FAB-TH-NB-69-N %	Bonded Nomex	69	60	0.011"	1	7.2	7000	White	\$ 287.58
FAB-TH-NB-70-X #	Bonded Nomex	70	70	0.013"	1	8	4850	White	\$ 221.72
FAB-TH-FG-12	E-Fiberglass**	12	150	0.015"	2	18	2700	Gray	\$ 127.44
FAB-TH-FG-18	E-Fiberglass**	18	210	0.017"	2	24	1800	Gray	\$ 124.71
FAB-TH-FG-24	E-Fiberglass**	24	300	0.020"	2	30	1300	Gray	\$ 124.71
FAB-TH-FGINC-18	Fiberglass w/inconel**	18	210	0.100"	2	24	1800	Gray	\$ Call
FAB-TH-FGINC-24	Fiberglass w/inconel**	24	300	0.130"	2	30	1300	Gray	\$ Call
FAB-TH-QTZ-12	Quartz	12	150	0.014"	1	18	3450	Tan	\$ 682.34
FAB-TH-QTZ-12	Quartz	18	210	0.017"	1	24	2300	Tan	\$ 682.34
FAB-TH-QTZ-24	Quartz	24	300	0.020"	1	30	1700	Tan	\$ 682.34
FAB-TH-SSK-1064	3 strand Inox Stainless - Kevlar wrapped	1064	120	0.007"	2	28	4200	Yellow	\$ 417.58
FAB-TH-SSP-1064	10 strand 304 Stainless - Polyester wrapped	1064	120	.0145"	2	8	2150	White	\$ 367.21
FAB-TH-AL-31	Alumina	30		.031"	0.75		750	White	\$397.43

- For the "X" value, Specify NAT for Natural, BLK for Black

\* Available Natural, Black, Orange, Red, Green \*\* Coated with PTFE (Teflon)

\*\*\* Meets A-A-55220 & MIL-T-87128

# Complies with CAN/CGSB-155.1-98 / CAN/CGSB-155.22-97, Meets Mil-T-83193 & A-A-55217.

% Meets A-A-50195, Mil-T-43436

## Velcro Hook and Loop Closure



Velcro brand hook and loop closure tape are used on high temperature removable sleeves and covers.

Various widths and materials are available, standard polyester, flame retardant, nomex and metallic.

- Standard Polyester 450°F - short term to 600°F.
- Flame Retardant 650°F - short term to 900°F.
- Nomex 1000°F - short term to 1200°F.
- Metallic hook and loop 1200°F - short term to 1400°F.



# Silicone Rubber Products

Silicone Rubber Tubing .....	8-1
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Silicone Rubber Adhesives, Sealants, End-Seal Dip, Paint, Ink.....	8-5
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Silicone Tubing  
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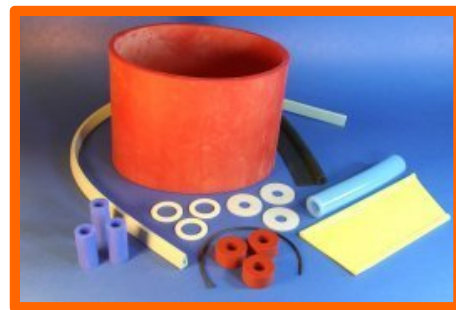
Silicone Rubber Plugs  
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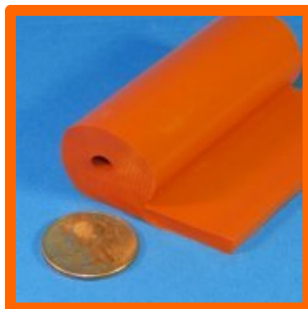
Silicone End-Seal Dip,  
Paint & Ink  
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Silicone Adhesive/Sealant  
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Silicone Rubber Extruded  
Profile Shapes Page 8-6



Silicone Rubber Extruded  
Gasket & Seal Shapes  
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Silicone Flexible Strip  
Heaters Page 8-7

## High Temperature & Heat Resistant Silicone Rubber Tubing



500°F / 260°C continuous rating with weld splatter / molten metal splash protection

High Temperature, Heat & Flame Resistant Silicone Rubber Tubing				
Part Number	Inside Diameter in / mm	Wall Thickness in / mm	Coiled Length ft / m	Price per Coil
SR-SRT-ID104-M260-W04-10-R	.104 / 2.60	.040 / 1.00	100 / 30.48	\$ 152.67
SR-SRT-ID110-M280-W04-10-R	.110 / 2.80	.040 / 1.00	100 / 30.48	\$ 156.70
SR-SRT-ID130-M330-W04-10-R	.130 / 3.30	.040 / 1.00	100 / 30.48	\$ 161.00
SR-SRT-ID149-M380-W04-10-R	.149 / 3.80	.040 / 1.00	100 / 30.48	\$ 164.33
SR-SRT-ID163-M410-W04-10-R	.163 / 4.10	.040 / 1.00	100 / 30.48	\$ 171.67
SR-SRT-ID181-M460-W04-10-R	.181 / 4.60	.040 / 1.00	100 / 30.48	\$ 183.67
SR-SRT-ID224-M570-W04-10-R	.224 / 5.70	.040 / 1.00	100 / 30.48	\$ 194.67
SR-SRT-ID239-M610-W04-10-R	.239 / 6.10	.040 / 1.00	100 / 30.48	\$ 202.00
SR-SRT-ID302-M770-W06-15-R	.302 / 7.70	.060 / 1.50	100 / 30.48	\$ 229.00
SR-SRT-ID330-M840-W06-15-R	.330 / 8.40	.060 / 1.50	100 / 30.48	\$ 240.33
SR-SRT-ID363-M920-W06-15-R	.363 / 9.20	.060 / 1.50	100 / 30.48	\$ 244.33
SR-SRT-ID380-M970-W06-15-R	.380 / 9.70	.060 / 1.50	100 / 30.48	\$ 252.13
SR-SRT-ID420-M1060-W06-15-R	.420 / 10.60	.060 / 1.50	100 / 30.48	\$ 266.67
SR-SRT-ID460-M1170-W06-15-R	.460 / 11.70	.060 / 1.50	100 / 30.48	\$ 282.33
SR-SRT-ID485-M1230-W06-15-R	.485 / 12.30	.060 / 1.50	50 / 15.24	\$ 143.67
SR-SRT-ID535-M1360-W06-15-R	.535 / 13.60	.060 / 1.50	50 / 15.24	\$ 183.67
SR-SRT-ID609-M1550-W06-15-R	.609 / 15.50	.060 / 1.50	50 / 15.24	\$ 207.03
SR-SRT-ID727-M1850-W06-15-R	.727 / 18.50	.060 / 1.50	50 / 15.24	\$ 236.67
SR-SRT-ID853-M2167-W06-15-R	.853 / 21.67	.060 / 1.50	50 / 15.24	\$ 366.67
SR-SRT-ID915-M2334-W06-15-R	.915 / 23.34	.060 / 1.50	50 / 15.24	\$ 381.33
SR-SRT-ID975-M2477-W06-15-R	.975 / 24.77	.060 / 1.50	50 / 15.24	\$ 400.33

**This Product is NOT Available By-The-Foot – Full Coil Quantity Only**

These silicone rubber products provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications.

## High Temperature & Heat Resistant Silicone Rubber Tapered Plugs: Small Sizes



- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

### High Temperature & Heat Resistant Silicone Rubber Tapered Plugs

Small Size: 1.6mm x .4mm x 15.9mm to 12.7mm x 7.9mm x 25.4mm

(Above dimension is Wide End x Small End x Length)

Part Number	Large End Diameter in / mm	Small End Diameter in / mm	Length in / mm	Pack Quantity	Price
SR-TP-1.6-0.4-15.9	.062 / 1.6	.016 / 0.4	.625 / 15.9	1000	\$ 62.20
SR-TP-2.0-0.5-19.1	.078 / 2.0	.020 / 0.5	.750 / 19.1	1000	\$ 70.67
SR-TP-3.2-0.8-15.9	.125 / 3.2	.031 / 0.8	.625 / 15.9	1000	\$ 57.97
SR-TP-3.2-1.6-15.9	.125 / 3.2	.062 / 1.6	.625 / 15.9	1000	\$ 49.75
SR-TP-4.7-1.6-15.9	.187 / 4.7	.062 / 1.6	.625 / 15.9	1000	\$ 59.38
SR-TP-4.7-1.6-19.1	.187 / 4.7	.062 / 1.6	.750 / 19.1	1000	\$ 66.42
SR-TP-5.0-1.2-27.9	.197 / 5.0	.049 / 1.2	1.100 / 27.9	1000	\$ 85.53
SR-TP-5.1-1.6-19.1	.200 / 5.1	.062 / 1.6	0.750 / 19.1	1000	\$ 73.53
SR-TP-6.3-3.2-19.1	.250 / 6.3	.125 / 3.2	0.750 / 19.1	1000	\$ 86.23
SR-TP-6.3-3.2-25.4	.250 / 6.3	.125 / 3.2	1.000 / 25.4	1000	\$ 106.05
SR-TP-7.1-0.4-25.0	.279 / 7.1	.016 / 0.4	0.984 / 25.0	1000	\$ 275.67
SR-TP-8.7-4.7-15.9	.343 / 8.7	.187 / 4.7	0.625 / 15.9	1000	\$ 108.85
SR-TP-8.7-4.7-25.4	.343 / 8.7	.187 / 4.7	1.000 / 25.4	1000	\$ 141.37
SR-TP-9.5-3.2-31.8	.375 / 9.5	.125 / 3.2	1.250 / 31.8	1000	\$ 127.22
SR-TP-9.5-6.3-19.1	.375 / 9.5	.250 / 6.3	0.750 / 19.1	1000	\$ 175.30
SR-TP-11.1-6.3-25.4	.437 / 11.1	.250 / 6.3	1.000 / 25.4	1000	\$ 226.20
SR-TP-12.0-9.0-18.0	.472 / 12.0	.354 / 9.0	0.708 / 18.0	500	\$ 152.63
SR-TP-12.7-3.2-50.8	.500 / 12.7	.125 / 3.2	2.000 / 50.8	500	\$ 182.27
SR-TP-12.7-7.9-25.4	.500 / 12.7	.312 / 7.9	1.000 / 25.4	200	\$ 66.73
SR-TP-13.67-7.1-25	.538 / 13.67	.279 / 7.14	.984 / 25.0	500	\$ 263.63
SR-TP-15.0-10.0-25.4	.590 / 15.0	.393 / 10.0	1.000 / 25.4	100	\$ 41.00
SR-TP-15.9-11.1-20.7	.625 / 15.9	.437 / 11.1	.813 / 20.7	200	\$ 84.83
SR-TP-17.0-13.0-25.4	.669 / 17.0	.510 / 13.0	1.000 / 25.4	200	\$ 104.60

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from "SRTP" to "ERTP"

## High Temperature & Heat Resistant Silicone Rubber Tapered Plugs: Large Sizes



- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

### High Temperature, Heat & Flame Resistant Silicone Rubber Tapered Plugs

Small Size: 13.67mm x 7.1mm x 25mm to 127mm x 90mm x 50mm

Part Number	Large End Diameter in / mm	Small End Diameter in / mm	Length in / mm	Pack Size	Price
SR-TP-19.0-14.0-25.4	.748 / 19.0	.550 / 14.0	1.000 / 25.4	100	\$ 113.65
SR-TP-20.0-16.0-25.4	.787 / 20.0	.630 / 16.0	1.000 / 25.4	100	\$ 79.65
SR-TP-20.24-13.7-25.0	.797 / 20.24	.538 / 13.7	.984 / 25.0	200	\$ 257.30
SR-TP-23.8-18.0-25.4	.938 / 23.8	.708 / 18.0	1.000 / 25.4	100	\$ 87.08
SR-TP-24.0-15.9-25.4	.945 / 24.0	.625 / 15.9	1.000 / 25.4	100	\$ 76.65
SR-TP-24.0-19.2-19.1	.945 / 24.0	.750 / 19.2	.750 / 19.1	100	\$ 77.75
SR-TP-26.0-20.0-25.4	1.024 / 26.0	.787 / 20.0	1.000 / 25.4	100	\$ 101.50
SR-TP-27.0-23.0-25.4	1.063 / 27.0	.905 / 23.0	1.000 / 25.4	100	\$ 115.50
SR-TP-28.0-24.0-25.4	1.102 / 28.0	.945 / 24.0	1.000 / 25.4	100	\$ 126.10
SR-TP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	\$ 108.45
SR-TP-32.0-26.0-25.4	1.260 / 32.0	1.024 / 26.0	1.000 / 25.4	100	\$ 156.93
SR-TP-34.0-27.0-25.4	1.338 / 34.0	1.063 / 27.0	1.000 / 25.4	100	\$ 172.48
SR-TP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	\$ 108.85
SR-TP-38.7-22.9-63.5	1.525 / 38.7	.900 / 22.9	2.500 / 63.5	100	\$ 525.63
SR-TP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	\$ 116.63
SR-TP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	\$ 122.28
SR-TP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	\$ 134.30
SR-TP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	\$ 154.10
SR-TP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	\$ 155.50
SR-TP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	\$ 97.20
SR-TP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	\$ 102.50
SR-TP-56.0-48.0-25.4	2.205 / 56.0	1.890 / 48.0	1.000 / 25.4	25	\$ 119.80
SR-TP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	\$ 134.30
SR-TP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	\$ 144.90
SR-TP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	\$ 162.58
SR-TP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	\$ 236.80
SR-TP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	\$ 371.10
SR-TP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	\$ 606.55
SR-TP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	\$ 367.55

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from "SRTP" to "ERTP"

## High Temperature & Heat Resistant Silicone Rubber Hollow Tapered Plugs



- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

High Temperature, Heat & Flame Resistant Silicone Rubber Hollow Tapered Plugs Small Size: 13.67mm x 7.1mm x 25mm to 127mm x 90mm x 50mm					
Part Number	Large End Diameter in / mm	Small End Diameter in / mm	Length in / mm	Pack Size	Price each
SR-HTP-27.0-20.3-25.4	1.061 / 27.0	.797 / 20.3	1.000 / 25.4	200	\$ 343.05
SR-HTP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	\$ 73.91
SR-HTP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	\$ 88.35
SR-HTP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	\$ 96.83
SR-HTP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	\$ 106.03
SR-HTP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	\$ 113.80
SR-HTP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	\$ 127.10
SR-HTP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	\$ 126.53
SR-HTP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	\$ 69.98
SR-HTP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	\$ 77.75
SR-HTP-56.0-48.0-25.4	2.203 / 56.0	1.890 / 48.0	1.000 / 25.4	25	\$ 91.18
SR-HTP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	\$ 113.10
SR-HTP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	\$ 120.18
SR-HTP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	\$ 134.30
SR-HTP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	\$ 201.45
SR-HTP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	\$ 272.13
SR-HTP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	\$ 367.55
SR-HTP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	\$ 281.33

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from "SR-HTP" to "ER-HTP"



## High Temperature, Heat & Flame Resistant Silicone Rubber Adhesive, Sealant, End-Seal Dip & Paint

### Adhesive / Sealant



#### **US-ABST-HTG-165 \$ 32.67 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Fills gaps, seals enclosures, forms gaskets.
- 500°F / 260°C continuous rating.

#### **US-ABST-HT-903 \$ 46.64 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Highest Temperature Rating Silicone Adhesive / Sealant at 300°C continuous rating.
- Great for Kiln and exhaust systems.

#### **US-ABST-SRB-201 \$ 58.87 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Cures in 60 seconds with hot air gun
- Specialty high temperature adhesive to bond silicone rubbers together – great for complex high temperature silicone rubber fabrics used in covers and protective blanket systems

### End Seal Dip / Paint / Ink (Shake well or stir before use)



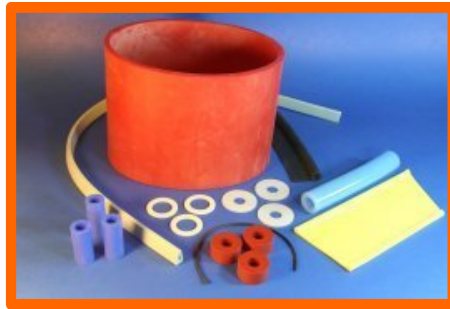
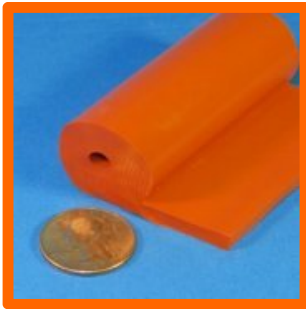
#### **US-ABST-LD-1 End Seal Dip**

- Easy to use 1/2 litre wide mouth jar.
- Available in larger jars & cans.
- Used to seal the ends of sleeve to prevent wicking of liquids and to prevent fraying. 500°F / 260°C continuous rating.
- Tack free in 20 minutes, cures at room temperature in 4 hours. Odor free. Non corrosive and meets Mil-A-46146 as per NAVAIR 01-1A-20.
- Add following codes to part number: -OR for oxide-red; -BLK for black; -WHT for white; -GRN for green; -BRN for brown; -YEL for yellow; -BLU for Blue
- 4oz packaged in a 2.25" ID wide mouth jar: \$ 15.61
- 1 quart / litre (approx 2 lbs or 907g) size priced at \$ 87.20
- 1 gallon: \$229.32 / 5 gallon: \$988.40.

### **US-ABST-LP-1 Paint / Ink**

- 500°F / 260°C continuous rating.
- Tack free in 20 minutes, cures at room temperature in 4 hours. Odor free.
- May be brushed or sprayed as a high-temperature protective coating. Can be thinned with xylene or odourless mineral spirits to alter its viscosity.
- Add following codes to part number: -OR for oxide-red; -BLK for black; -WHT for white; -GRN for green; -BRN for brown; -YEL for yellow; -BLU for Blue
- 1 gallon: \$229.32 / 5 gallon: \$988.40. The Oxide-Red and Black are available in a smaller 1 quart/litre size (approx 2 lbs or 907g) priced at \$ 87.20

## High Temperature Silicone Rubber Extruded Profiles Gasket and Seal Shapes Heat, Flame, Molten Splash & Weld Splatter Resistant



Silicone rubber extruded profiles make excellent gaskets and seals. Can be used for applications up to 500°F / 260°C continuous rating with weld splatter / molten metal splash protection. These silicone rubber products provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications.

We offer the ability to produce many standard shapes such as:

- Tadpole
- "P" strips
- "T" Strips
- "D" Bumpers
- "L" Strips
- "U" channels
- Half rounds
- Round (cord)
- Square
- Rectangle
- Top Hat
- Baseball Hat
- Double Hat

For a full list and catalogue of available extruded profile shapes, please visit [www.siliconetechnologies.com](http://www.siliconetechnologies.com).

These profiles are also available in Fluorosilicone, Viton Fluoroelastomer, Nitrile NBR Rubber, Neoprene, Hypalon, EPDM, SBR Rubber, Polyurethane, Natural Rubber.

All pricing on extruded products is by quotation.

## High Temperature, Heat & Flame Resistant Silicone Rubber Electrical Flexible Strip Heaters



These heaters are commonly used to prevent condensation from forming in outdoor equipment such as motors and enclosures. Can be embedded under sleeving on piping to regulate process temperatures.

500°F / 260°C continuous rating with weld splatter / molten metal splash and solder drip protection. These silicone rubber products provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications.

5 watts per inch of length. 0.055" thick. UL and CSA certified. 8" leads.

High Temperature, Heat & Flame Resistant Silicone Rubber Electrical Flexible Strip Heaters		
Part Number	Size / Watts / Voltage	Price
SR-FSH-251	1" x 5", 25 watt, 120 volt	\$ 55.70
SR-FSH-252	1" x 5", 25 watt, 240 volt	\$ 55.70
SR-FSH-501	1" x 10", 50 watt, 120 volt	\$ 58.46
SR-FSH-502	1" x 10", 50 watt, 240 volt	\$ 58.46
SR-FSH-751	1" x 15", 75 watt, 120 volt	\$ 65.90
SR-FSH-752	1" x 15", 75 watt, 240 volt	\$ 65.90
SR-FSH-1001	1" x 20", 100 watt, 120 volt	\$ 72.50
SR-FSH-1002	1" x 20", 100 watt, 240 volt	\$ 72.50
SR-FSH-1251	1" x 25", 125 watt, 120 volt	\$ 84.50
SR-FSH-1501	2" x 15", 150 watt, 120 volt	\$ 86.73
SR-FSH-1502	2" x 15", 150 watt, 240 volt	\$ 86.73
SR-FSH-2001	2" x 20", 200 watt, 120 volt	\$ 88.60
SR-FSH-2002	2" x 20", 200 watt, 240 volt	\$ 88.60
SR-FSH-2501	2" x 25", 250 watt, 120 volt	\$ 92.38
SR-FSH-2502	2" x 25", 250 watt, 240 volt	\$ 92.38

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# Fire Retardant Applications

Fire Retardant Fabric Spray – UserMixed .....13-1



User Mixed Fire  
Retardant Fabric Spray  
Page 13-1



## Fire Retardant Fabric Spray – User Mixed



Proprietary formulation effectively retards ignition and the spread of flames on natural and synthetic fibers and fabrics.

User mixes the impregnation powder with water at the ratio of 1 Lb (455g) of product per gallon of water for natural fabrics and 1.5 lb of product per gallon for mixed and synthetic fabrics. May also be used on paper, cardboard and non-painted wood surfaces.

1 gallon of mixed formulation covers approximately 100 sq ft of material.

The mixed solution can be sprayed easily using a pump bottle obtained from most large department retailers or garden centres. Ensure that the pump bottle is appropriately labelled.

This formulation is not suitable for application onto non-woven and woven plastics such as polyethylene tarps or groundsheets as those materials do not absorb the formulation.

Not for use on apparel, garments or workwear.



The resulting mixture is a tested "A" Class Fire Retardant spray for curtains, fabric and upholstery, and meets CAN/ULC S109.

Also meets NEN-EN-ISO 6941/6940; DIN 4102, class B1, B2; DIN 66082 / 84; BS 5438, 5867, 5852; NFP-92 503, class M1-M3

Items washed must be re-sprayed. Items dry-cleaned must be re-sprayed after 5 dry-clean cycles.

Available in 1 pound (455 gram) jars, 5 pound cans, 20 pound pails and larger quantities.

Fire Retardant Fabric Spray Impregnation Powder		
Part Number	Size	Price
FR-FS-11	1 lb jar	\$ 52.00

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## **High Temperature Sealants and Adhesives**

- Silicone Sealant & Adhesive
- Silica Adhesive



Silicone High  
Temperature Sealants  
and Adhesives  
Page 10-1



Silica High Temperature  
Stove Gasket Sealants  
Page 10-2

## High Temperature, Heat & Flame Resistant Silicone Rubber Adhesive, Sealant

### FlameGuard™ Paste Adhesive / Sealant



#### **US-ABST-HTG-165 \$ 32.67 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Fills gaps, seals enclosures, forms gaskets.
- 500°F / 260°C continuous rating.

#### **US-ABST-HT-903 \$ 46.64 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Highest Temperature Rating Silicone Adhesive / Sealant at 300°C continuous rating.
- Great for Kiln and exhaust systems.

#### **US-ABST-SRB-201 \$ 58.87 / cartridge**

- Easy to use 10.3 oz cartridge fits caulking guns.
- Available in larger pail and bucket sizes.
- Cures in 60 seconds with hot air gun
- Specialty high temperature adhesive to bond silicone rubbers together – great for complex high temperature silicone rubber fabrics used in covers and protective blanket systems

## High Temperature Silica Based Gasket Cement Adhesive / Sealant

### FlameGuard™ Liquid Gel Adhesive / Sealant



#### **ABST-SGC-2200 \$ 22.67 / tube**

- Use for a high-temperature rigid seal.
- Adheres to all porous fibrous gasket materials.
- Can be used to effect repairs of cracks on stoves, stovepipe and masonry.
- Withstands up to 2000°F / 1093°C.
- 2 fluid oz. 59ml. Squeeze tube.
- Use by applying thin film over entire gasket channel or contact surface. Wait until tacky (10 minutes). Apply gasket material firmly into place.
- Elevate to 250°F / 121°C to fully cure

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## **Cross Reference Guide**

- Industrial Firesleeve
- Aero Grade Firesleeve

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## Cross Reference Guide: Industrial Firesleeve



See Page 1 for Pricing and Specifications

### Firesleeve Cross Reference Guide – Industrial Knitted & Heavy Duty Braided

Firesleeve Part Number	McMaster-Carr® Part Number	Bentley-Harris® Fyrejacket® Part Number	AB Tech Part Number Industrial Knit	AB Tech Part Number Industrial Heavy Duty Braided
PJ-04	8772K51	4002000610F0050	S-FS-M006-04	S-FSHD-M006-04
PJ-06	8772K52	4002001010F0050	S-FS-M010-06	S-FSHD-M010-06
PJ-08	8772K54	4002001310F0050	S-FS-M013-08	S-FSHD-M013-08
PJ-10	8772K56	4002001610F0050	S-FS-M016-10	S-FSHD-M016-10
PJ-12	8772K58	4002001910F0050	S-FS-M019-12	S-FSHD-M019-12
PJ-14	8772K11	4002002210F0050	S-FS-M022-14	S-FSHD-M022-14
PJ-16	8772K61	4002002510F0050	S-FS-M025-16	S-FSHD-M025-16
PJ-18	N/A	4002002910F0050	S-FS-M029-18	S-FSHD-M029-18
PJ-20	8772K63	4002003210F0050	S-FS-M032-20	S-FSHD-M032-20
PJ-22	N/A	4002003510F0050	S-FS-M035-22	S-FSHD-M035-22
PJ-24	8772K65	4002003810F0050	S-FS-M038-24	S-FSHD-M038-24
PJ-26	N/A	4002004110F0050	S-FS-M041-26	S-FSHD-M041-26
PJ-28	8772K12	4002004510F0050	S-FS-M044-28	S-FSHD-M044-28
PJ-30	N/A	4002004810F0050	S-FS-M048-30	S-FSHD-M048-30
PJ-32	8772K69	4002005110F0050	S-FS-M051-32	S-FSHD-M051-32
PJ-36	8772K13	4002005710F0050	S-FS-M057-36	S-FSHD-M057-36
PJ-40	8772K73	4002006410F0050	S-FS-M064-40	S-FSHD-M064-40
PJ-42	N/A	4002006710F0050	S-FS-M067-42	S-FSHD-M067-42
PJ-44	8772K14	4002007010F0050	S-FS-M070-44	S-FSHD-M070-44
PJ-46	N/A	4002007310F0050	S-FS-M073-46	S-FSHD-M073-46
PJ-48	8772K77	4002007610F0050	S-FS-M076-48	S-FSHD-M076-48
PJ-52	N/A	4002008310F0050	S-FS-M083-52	S-FSHD-M083-52
PJ-56	8772K15	4002008910F0050	S-FS-M089-56	S-FSHD-M089-56
PJ-60	N/A	4002009510F0050	S-FS-M095-60	S-FSHD-M095-60
PJ-64	8772K16	4002010210F0050	S-FS-M102-64	S-FSHD-M102-64
PJ-72	N/A	4002011410F0050	S-FS-M114-72	S-FSHD-M114-72
PJ-80	N/A	4002012710F0050	S-FS-M127-80	S-FSHD-M127-80

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## Cross Reference Guide: Aero Grade Firesleeve



See Page 2 for Pricing and Specifications

Firesleeve Cross Reference Guide – Aero Grade Braided					
Firesleeve Part Number	Parker Stratoflex Part Number	Aeroquip Part Number	McMaster-Carr® Part Number	Bentley-Harris® Fyrejacket® Part Number	AB Tech Part Number
PJA-04	2650-04	AE102-4	6172T11	4001000610S	S-AS1072-M006-04
PJA-06	2650-06	AE102-6	6172T12	4001001010S	S-AS1072-M010-06
PJA-08	2650-08	AE102-8	6172T13	4001001310S	S-AS1072-M013-08
PJA-10	2650-10	AE102-10	6172T14	4001001610S	S-AS1072-M016-10
PJA-12	2650-12	AE102-12	6172T15	4001001910S	S-AS1072-M019-12
PJA-14	2650-14	AE102-14	N/A	4001002210S	S-AS1072-M022-14
PJA-16	2650-16	AE102-16	6172T16	4001002510S	S-AS1072-M025-16
PJA-18	2650-18	AE102-18	N/A	4001002910S	S-AS1072-M029-18
PJA-20	2650-20	AE102-20	6172T17	4001003210S	S-AS1072-M032-20
PJA-22	2650-22	AE102-22	N/A	4001003510S	S-AS1072-M035-22
PJA-24	2650-24	AE102-24	6172T18	4001003810S	S-AS1072-M038-24
PJA-26	2650-26	AE102-26	N/A	4001004110S	S-AS1072-M041-26
PJA-28	2650-28	AE102-28	N/A	4001004410S	S-AS1072-M044-28
PJA-30	2650-30	AE102-30	N/A	4001004810S	S-AS1072-M048-30
PJA-32	2650-32	AE102-32	6172T19	4001005110S	S-AS1072-M051-32
PJA-36	2650-36	AE102-36	N/A	4001005710S	S-AS1072-M057-36
PJA-40	2650-40	AE102-40	6172T21	4001006410S	S-AS1072-M064-40
PJA-42	2650-42	AE102-42	N/A	4001006710S	S-AS1072-M067-42
PJA-44	2650-44	AE102-44	N/A	4001007010S	S-AS1072-M070-44
PJA-46	2650-46	AE102-46	N/A	4001007310S	S-AS1072-M073-46
PJA-48	2650-48	AE102-48	6172T22	4001007610S	S-AS1072-M076-48
PJA-52	2650-52	AE102-52	N/A	4001008310S	S-AS1072-M083-52
PJA-56	2650-56	AE102-56	N/A	4001008910S	S-AS1072-M089-56
PJA-60	2650-60	AE102-60	N/A	4001009510S	S-AS1072-M095-60
PJA-64	2650-64	AE102-64	N/A	4001010210S	S-AS1072-M102-64

All trademarks and trade names are property of their respective owners

# **Terms and Conditions**

## **Account Application Form**

**T&C**

**Intentionally Blank**



## Standard Terms and Conditions

1. **Terms and Conditions Applicable:** The terms and conditions set forth herein shall apply to the order referred to in herein. Our acceptance of this order is expressly made conditional upon assent to the terms and conditions set forth herein, which comprise all of the terms and conditions between A-B Thermal Technologies and the purchaser respecting this order, except to the extent that any term or condition shall have been changed or modified as set forth in this agreement. Any other changes or modifications in the terms and conditions contained herein must be specifically agreed to in writing by A-B Thermal Technologies.
2. **Order Minimum:** There will be a minimum order amount required for each order received: consult the "How To Order" section for the minimum order value for each product. There will be an additional \$15.00 fee for adding items to an existing order under \$100.00. Order minimum does NOT include any tooling, overtime or freight charges. This \$15.00 fee can apply to any change made to an existing order, ex. method of shipment, shipping destination, etc.
3. **Cancellation:** Any order may not be cancelled for any reason without the consent of A-B Thermal Technologies. No orders can be cancelled after production has begun.
4. **Delivery:** Any shipping dates set forth in the purchase order or any acknowledgment of the order are the best estimate of actual delivery, but may be changed by mutual agreement. A-B Thermal Technologies shall not be liable for any delays in delivery or default by reason of any occurrences or contingencies, including, but not limited to fire, flood, embargo, strike, failure to secure materials from suppliers, government restrictions considered "force majeure" or any other circumstance beyond A-B Thermal Technologies's control which shall prevent A-B Thermal Technologies from making the deliveries in the normal and usual course of business.
5. **Risk of Loss:** Notwithstanding title to or ownership of the products, risk of loss shall pass to the purchaser as soon as the products are invoiced.
6. **Taxes and Fees:** Any taxes or fees imposed by any federal, provincial, state, municipal or other governmental authority, including any import or export duty that may be applicable to the sale or delivery or transportation of the product or services that may be sold by reason of this order and any and all duties, tariffs and brokerage charges, shall be added to the price of the order and paid by the purchaser except where the purchaser shall have provided a proper certification of exemption therefrom.
7. **Method of Shipment:** Unless otherwise specified in any purchase order, acknowledgement or other specific document relating to this order, all shipments made pursuant to the order shall be made F.O.B. Bowmanville ON, Watertown NY or nearest stocking point. In no event shall the method of shipment modify the risk of loss as specified herein. All freight collect unless otherwise specified. AB Thermal Technologies will endeavour to follow all shipping instructions, however, all freight charges invoiced are due even if AB Thermal Technologies ships by method(s) not specified.
8. **Terms of Payment:** Unless otherwise specified in the purchase order or acknowledgement, all products shall be sold with full payment due within thirty (30) days, if paid within ten (10) days of date of invoice, buyer may deduct one percent (1%) of the cost of goods only. Discounts are not applicable to tooling, expediting, or transportation charges. Any account for which payment has not been received within sixty (60) days from date of invoice will automatically be put on credit hold. Credit hold will also halt production of any other purchase orders that are in progress. A-B Thermal Technologies welcomes payments by credit cards and electronic fund transfers. Any credit card investigation fees where the product was found to be delivered are the responsibility of the customer. Overdue accounts shall accrue interest at 2% per month from the date of becoming overdue. Accounts sent to collection may be assessed a \$250.00 collections fee. Accounts sent to the company's legal counsel for collection or litigation may be assessed an additional \$250.00 legal proceedings fee.
9. **Security Interest:** Until full payment of the purchase price for any product and/or any service order pursuant to the order, A-B Thermal Technologies shall retain a security interest in such products and may, at its option, and without further agreement or signature by the purchaser, file evidence of such security interest.
10. **Warranties:** A-B Thermal Technologies warrants to the original purchaser that its products, under normal use, shall be free from defects in material or workmanship provided that (a) the product has not been tampered with or repaired by any person other than A-B Thermal Technologies, and (b) the product has been sold or used within the time period specified for the shelf life of the product, and (c) the purchaser notified A-B Thermal Technologies in writing of any such defects immediately after discovery thereof. A-B Thermal Technologies shall not be liable for any damages for any product resulting from the misuse or negligence of others or if any alterations have been made in the product which have not been authorized in writing by A-B Thermal Technologies. THIS WARRANTY IS GIVEN IN LIEU OF ANY OTHER REPRESENTATION OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.
11. **Limitation of Liabilities:** The sole and exclusive remedies of the purchaser shall be, at the option of A-B Thermal Technologies, the return of the products and repayment of the price or the repair and replacement of nonconforming products and in no event shall A-B Thermal Technologies be liable for the incidental and consequential damages arising from any cause whatsoever.
12. **Product Liability:** Purchaser acknowledges that A-B Thermal Technologies has no control over and is not responsible for the manner in which the products will be used or otherwise dealt with by the purchaser. The purchaser therefore agrees to assume all responsibility for any and all sums which A-B Thermal Technologies and/or the purchaser become obligated to pay because of bodily injury or property damage caused by or resulting directly or indirectly from the installation, maintenance, use or operation of any products or the failure of the products to comply with any safety laws or regulations. Purchaser shall indemnify and hold A-B Thermal Technologies harmless from and against any and all actions, claims or demands arising out of or in any way connected with the installation, maintenance, use or operation of the products, or the design, construction or composition of any items or items made or handled by the products supplied hereunder, including any such actions, claims and demands based in whole or in part on the default or negligence.
13. **Proprietary Rights:** Any and all models, drawings, sketches, plans and other information supplied by one party to the other shall remain the property of the party who shall have supplied it. The other party may not use any such material or information except with respect to the products and/or services, which are subject to this sale transaction. Any product or service sold hereunder shall not constitute a license to use any of the proprietary rights of A-B Thermal Technologies.
14. **Applicable Law:** The terms and conditions of any contract arising out the transaction between the parties hereto shall be construed in accordance with the laws of the Province of Ontario.
15. **Acceptance:** Hereafter, whether it be verbally or by fax or mail or e-mail, any purchase order issued to A-B Thermal Technologies shall fall under these terms and agreement.

## New Account Credit Application

Sign and date if forwarding with standard credit reference attachments

Are you assigning A-B Thermal Technologies a Vendor Code? If yes, please provide:

Legal Business Name: \_\_\_\_\_  
Parent Company: \_\_\_\_\_  
Address: \_\_\_\_\_ If a PO Box, please also provide street address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Web Site Address : \_\_\_\_\_

DUNS Number: \_\_\_\_\_

U.S Companies Only: Federal Tax ID Number: \_\_\_\_\_

Canadian Companies Only: Business Registration Number: \_\_\_\_\_

Provincial Tax Exempt? Yes \_\_\_ No \_\_\_ PST Number \_\_\_\_\_

GST Exempt? Yes: \_\_\_ No: \_\_\_ GST Number: \_\_\_\_\_

Name of Owner, President or GM: \_\_\_\_\_ Title \_\_\_\_\_

Form of business: ☐ Corporation ☐ Limited Liability Company or Limited Partnership  
☐ General Partnership ☐ Unincorporated entity

Type of business / industries served: \_\_\_\_\_

Accounts Payable contact: \_\_\_\_\_ Tel: \_\_\_\_\_

Accounts Payable E-mail: \_\_\_\_\_ Fax: \_\_\_\_\_

Estimated annual purchases \$ \_\_\_\_\_ 30 day revolving credit amount desired: \$ \_\_\_\_\_

Bank reference (name/address/phone number/bank account #)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Trade Credit References (name/address/contact information/phone/fax)

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

\_\_\_\_\_  
Authorizing Signature

\_\_\_\_\_  
Date

By signing this form, the applicant agrees that A-B Thermal Technologies may conduct a credit check and exchange information with other parties for the purpose of establishing credit worthiness

Standard Credit Terms are Net 30 days

For Our Privacy Statement Please Visit [www.firesleeveandtape.com/privacy-policy.html](http://www.firesleeveandtape.com/privacy-policy.html)

Please Note: Standard Credit Terms are 1% 10, Net 30 days