

Polar Tech

INDUSTRIES, INC.
TEMPERATURE SAFE SHIPPING &
PROTECTIVE PACKAGING PRODUCTS

ANYTIME, ANYWHERE
SUPERIOR PERFORMANCE
IN ALL TYPES OF CONDITIONS



OVERNITE INSULATED CONTAINERS
PAGE 18



PRE-VALIDATED CONTAINERS



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PAGE 2



COLD TEMP TAPE
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INSULATED CONTAINERS
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1-800-ICE-BRIX

www.polar-tech.com

DISTRIBUTION AND MANUFACTURING LOCATIONS:
CHICAGO/MIDWEST • NYC/PHILA

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MORE NEW SIZES



DRY ICE INSULATED CONTAINERS



- Dry ice, wet ice or refrigerant storage
- Transfer ice from source to work areas
- Transport low temp items from lab to lab
- On site collection carriers
- Dry ice delivery and storage systems
- Insulated pads hold content temperatures while in use

Foam insulated storage chests are lightweight, molded EPS foam containers with tight fitting lids. Comes assembled in a sturdy lb. white corrugated box. Heavy-duty dolly available for some models.

NEW
NEW

| PART # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | THICKNESS | DRY ICE CAPACITY | TOTAL VOL (CU. FT.) |
|--------|--------------------------------|---------------------------------|-----------|------------------|---------------------|
| TC229 | 12" x 10" x 9" | 15 1/4" x 13 1/4" x 12 1/4" | 1 1/2" | 30+ lbs. | .06 |
| TC230 | 12" x 12" x 11 1/2" | 16" x 16" x 15 1/2" | 2" | 50+ lbs. | 1.0 |
| TC249 | 16 3/4" x 16 3/4" x 15" | 21" x 21" x 19 1/2" | 2" | 130+ lbs. | 2.5 |
| TC247 | 17" x 10" x 12" | 20" x 13" x 15" | 1 1/2" | 56+ lbs. | 1.2 |
| TC251 | 17" x 10" x 17" | 20" x 13" x 20" | 1 1/2" | 85+ lbs. | 1.7 |
| TC296 | 23" x 14" x 23" | 28 1/2" x 20" x 28 1/2" | 2 1/2" | 225+ lbs. | 4.3 |

DRY ICE HANDLING ACCESSORIES

INSULATED DRY ICE COVERS

These insulated dry ice pads allows container and content to maintain temperatures during frequent use. Flexible insulated pad allow easy use of container and maintaining temperatures of contents during use, without excessive sublimation.

Insulated dry ice pads come with industrial grade woven poly polypropylene handles and 2" x 2" clear pocket.

FOR CONTAINERS ON PAGE 2

| PART # | DIMENSION | FITS CHEST |
|--------|-------------------|---------------|
| 1561 | 17" x 10" | TC247 & TC251 |
| 1440 | 16 3/4" x 16 3/4" | TC249 |
| 1430 | 23" x 14" | TC296 |

FOR TRANSPORTS ON PAGE 5

| PART # | DIMENSION | FITS CHEST |
|--------|-----------|------------|
| 1560 | 21" x 11" | TC02 |
| 1562 | 24" x 12" | TC05 |
| 1563 | 33" x 20" | TC11 |
| 1564 | 42" x 36" | TC30 |



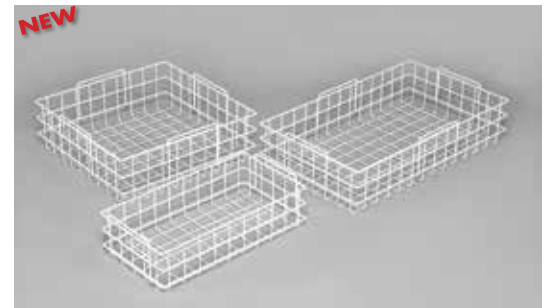
INSULATED DRY ICE COVERS

STACKING WIRE BASKETS

Special secure stack feature allows safe stacking and organizing bottles, vials and bags from insulated chest to freezers or work areas. Constructed of heavy welded steel wire and thick white powder coat.

| BASKET PART # | DIMENSIONS | FITS CHEST |
|---------------|--------------------|---------------|
| 1515 | 15" x 15" x 4 3/4" | TC249 |
| 1516 | 16" x 9" x 4 3/4" | TC247 & TC251 |
| 1517 | 22" x 13" x 4 3/4" | TC296 |

STACKING WIRE BASKETS



ALUMINUM DOLLIES

Transfer heavy/dry ice/bulk product with 4" diameter, 4 swivel caster, with lock brake dolly system.

| DOLLY PART # | FITS CHEST |
|--------------|------------|
| TCD249 | TC249 |
| TCD296 | TC296 |

ALUMINUM DOLLIES



STRAPS

Industrial grade woven polypropylene strap, secure lids during handling and transport. Easy handling in field tests, transport, or inter-department.

| STRAP PART # | FITS CHEST |
|--------------|---------------|
| 1200 | TC229 |
| 1202 | TC230 & TC240 |
| 1201 | TC251 |
| 1204 | RTC296 |
| 1203 | 261C |

STRAPS



GLOBAL EXTREME™ SHIPPERS/TRANSPORT CARRIERS

OVERNIGHT TO OVER 14 DAYS



GLOBAL EXTREME IDEAL FOR INTERNATIONAL SHIPPING



Global Extreme™ Series

GE6 KIT: 3" wall thickness, I.D. 16" x 9" x 13" O.D. 22 1/2" x 15 1/8" x 19 1/8"

Foam unit assembled in a 32 ECT white corrugated box and includes

- Gusseted poly bag, top & bottom absorbent material
- 3 RB-62 (Re-Freeze-R-Brix® 9" x 4" x 3")
- 1 ICE-BRIX® "DO IT BIG" Saddle Bag Refrigerant wrap 12" x 32".
Blanket your product with a curtain of cold™.

GE7 KIT: 2 1/2" wall thickness, I.D. 23 1/8" x 14 1/8" x 23 1/8"
O.D. 28 1/4" x 19 1/8" x 28 1/8"

Foam unit assembled in a 32 ECT white corrugated box and includes

- Gusseted poly bag, top & bottom absorbent material
- 3 RB-62 (Re-Freeze-R-Brix® 9" x 4" x 3")
- 2 RB-64 (Re-Freeze-R-Brix® 11 1/4" x 9 1/4" x 1")
- 1 ICE-BRIX® "DO IT BIG" Saddle Bag Refrigerant wrap 12" x 62".
Blanket your product with a curtain of cold™.

THERMO CHILL® NYLON TRANSPORT CARRIERS



Ideal for the transport of temperature sensitive serums, tissue samples, lab specimens, blood field samples and medical supplies.

- Thick wall 1 1/2" EPS foam insulation
- Light weight
- Optimum temperature retention
- 3 styles available: Nylon Cover, Foam with Box and Foam Only
- 3 sizes available

*Optional carry straps – order separately

| PART # | COVER STYLE | STRAP # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | THICKNESS |
|--------|-------------|--------------|--------------------------------|---------------------------------|-----------|
| 229N | Nylon cover | N/A included | 12" x 10" x 9" | 15" x 13" x 12" | 1 1/2" |
| 229C | Foam w box | * 1200 | 12" x 10" x 9" | 15" x 13" x 12" | 1 1/2" |
| 229F | Foam only | * 1200 | 12" x 10" x 9" | 15" x 13" x 12" | 1 1/2" |
| T43N | Nylon cover | N/A included | 13" x 13" x 12 1/2" | 16" x 16" x 15 1/2" | 1 1/2" |
| T43C | Foam w box | * 1202 | 13" x 13" x 12 1/2" | 16" x 16" x 15 1/2" | 1 1/2" |
| T43F | Foam only | * 1202 | 13" x 13" x 12 1/2" | 16" x 16" x 15 1/2" | 1 1/2" |
| T51N | Nylon cover | N/A included | 17" x 10" x 17" | 20" x 13" x 20" | 1 1/2" |
| T51C | Foam w box | * 1201 | 17" x 10" x 17" | 20" x 13" x 20" | 1 1/2" |
| T51F | Foam only | * 1201 | 17" x 10" x 17" | 20" x 13" x 20" | 1 1/2" |

Strap # 1203 also fits J50 foam or foam with box.

TRANSPORT/STORAGE CHESTS

THERMO CHILL® DURABLE “INDESTRUCTIBLE” TRANSPORT



TC02



TC11



TC05



TC30



TC11HL



TC11HLC

Thermo Chill® indestructible transporters maintain critical temperatures for your perishable materials. These durable transports are tough, double walled and built to last. Made using special melt-blend, high impact plastic, that is filled with polyurethane foam. Each container resists cold impacts and provides longer cold retention. Unlike other products, these transporters do not contain any fiberglass insulation and are, therefore, preferred by laboratories.

All sizes and styles have superior insulation for lowest sublimation rates. The tight fitting lids and durable construction maintain temperatures across a wide range of ambient temperatures. These containers have a square interior for maximum space utilization and a smooth interior that is easy to clean.

| PART # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | CUBIC FEET | WEIGHT | DRY ICE PELLETS | NO. OF BLOCKS* |
|-----------|-----------------------------|------------------------------|------------|----------|-----------------|----------------|
| TC02 | 21" x 11" x 14" | 30" x 21" x 24" | 2 | 45 lbs. | 125 lbs. | 2 blocks |
| TC05 | 24" x 12" x 29" | 30" x 18" x 37" | 5 | 58 lbs. | 305 lbs. | 4 blocks |
| TC11HLC** | 33" x 20" x 27" | 42" x 28" x 39" | 11 | 110 lbx. | 600 lbx. | 12 blocks |
| TC11HL | 33" x 21" x 27" | 42" x 28" x 36" | 11 | 110 lbx. | 600 lbx. | 12 blocks |
| TC11 | 33" x 20" x 27" | 42" x 28" x 40" | 11 | 130 lbs. | 600 lbs. | 12 blocks |
| TC30 | 42" x 36" x 32" | 49" x 43" x 43" | 30 | 220 lbs. | 1800 lbs. | 36 blocks |

* Blocks weighing approximately 56-60 lbs. each

** With casters

INSULATED DRY ICE PADS AVAILABLE, SEE PAGE 3 FOR MORE INFORMATION.

These insulated dry ice pads allows container and content to maintain temperatures during frequent use. Flexible insulated pad allow easy use of container and maintaining temperatures of contents during use, without excessive sublimation.



TRANSPORT/STORAGE CHESTS

SAFELY TRANSPORT FROZEN AND REFRIGERATED PHARMACEUTICALS



Thermo Chill's upright chests assure that pharmaceuticals, biological and perishable products are safely transported at subzero, frozen or refrigerated temperatures.

| PART # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | CUBIC FEET | WEIGHT |
|--------|--------------------------------|---------------------------------|---------------|----------|
| TC25* | 34" x 21" x 57" | 39" x 26" x 75" | 25 | 200 lbs. |
| TC55 | 33" x 43" x 65" | 40" x 48" x 78" | 55 | 332 lbs. |
| TC57 | 41" x 34" x 67" | 46" x 40" x 79" | 57 | 335 lbs. |

* Caster Wheel Model.

FEATURES:

- **TC25** narrow upright model with casters – Ideal for dry ice dispensing and movement
- **TC55** With shelves – Organize multiple product items of packaged perishables
- **TC57** Dry ice/cold pack bunker – holds at least 80 lbs. of dry ice
- **Soft sided insulated door** – allows fast access to products

REFRIGERATORS AND FREEZERS

COMMERCIAL REFRIGERATORS AND FREEZERS

25% off MSRP



**KFS220RHY
RIGHT DOOR OPEN**

**KFS220RHY
RIGHT DOOR OPEN**

**KGM220RHY
RIGHT DOOR OPEN**

LARGE-CAPACITY UPRIGHT REFRIGERATORS AND FREEZERS FEATURE

- Heavy duty, locking casters
- Interior light
- Heavy duty cooling system
- Use and care guide
- Warranty

Compliance: NSF certified
Power: 120V/5A, 72" cord, NEMA5-15P

NSF CERTIFIED AND UL APPROVED

Commercial refrigerators and freezers are more durable and reliable than household appliances. NSF-certified for food service and laboratory applications, as well as heavy duty use in packing and shipping departments.

All NSF units have stainless steel cabinets and doors. Larger compressors ensure faster recovery times. Condensers and motors are designed for commercial use. Interiors are sealed and easy to clean.

| NEW MODEL # | DESCRIPTION | DOOR SWING | TOTAL VOL (CU. FT.) | TEMPERATURE RANGE (°F) (°C) | EXTERIOR DIMENSION L x W x D | SHIPPING WEIGHT |
|-----------------------|----------------------------|------------|---------------------|--------------------------------|--|-----------------|
| KGM220RHY | Refrigerator Glass Door | Right | 19.7 | -- -- | 32" x 31" x 74 ³ / ₄ " | 309 Lbs. |
| KFS220RHY | Freezer SS Door w Lock | Right | 19.4 | 0°F to -15°F -18°C to -27°C | 32" x 31" x 74 ³ / ₄ " | 273 Lbs. |

Larger units available upon request.

COMMERCIAL CHEST FREEZERS

COMMERCIAL - CHEST FREEZERS

25% off MSRP



NSF CERTIFIED FOR FOOD SERVICE AND LABORATORY APPLICATIONS.

Chest style freezers are constructed of durable white painted heavy sheet metal. Heavy duty cooling system meets NSF/ANSI 7 standards. Sealed cabinet interior allows easy cleaning. The large commercial compressor ensures faster temperature recovery times.

| NEW MODEL # | DESCRIPTION | TOTAL VOL (CU. FT.) | TEMPERATURE RANGE (°F) (°C) | EXTERIOR DIMENSION L x W x H | SHIPPING WEIGHT |
|-----------------------|---------------|------------------------|--------------------------------|---------------------------------|-----------------|
| KCS070GW | Freezer/chest | 7.2 | 0°F to -18°F -18°C to -29°C | 35" x 23¼" x 36⅝" | 128 Lbs. |
| KCS130GW | Freezer/chest | 12.8 | 0°F to -18°F -18°C to -29°C | 42¾" x 29½" x 36¾" | 159 Lbs. |
| KCS200GW | Freezer/chest | 19.7 | 0°F to -18°F -18°C to -29°C | 61¼" x 29½" x 36¾" | 212 Lbs. |

ALL CHEST FREEZERS FEATURE

- NSF-certified
- UL approved
- Heavy-Duty casters
- Heavy-Duty wire basket
- Interior light system
- NSF-certified thermometer
- Defrost drain
- Commercial ENERGY STAR qualified
- Use and care guide
- Warranty

Compliance: NSF certified
Power: 120V/5A, 72" cord, NEMA5-15P

Premium Poly Bag Leakproof ICE-BRIX®

ICE-BRIX® contains a specially formulated leakproof, long lasting, viscous gel refrigerant made with non-toxic ingredients listed as FDA GRAS. Rated **“Best in all aspects”**.

ICE-BRIX® is the ultimate in refrigerant packs. Features include:

- Leakproof
- Economical
- Variety of sizes
- Custom imprinting
- Reusable



ICE-BRIX® premium poly bags are sealed in a heavy duty plastic pouch and keep perishable products at a constant and desirable temperature.

| POLY BAG | WEIGHT (OZ) | APPROX. DIMENSIONS L x W x THICKNESS (INCHES) | QUANTITY PER CASE |
|----------|-------------|---|-------------------|
| IB3 | 3 oz. | 5" x 2 3/4" x 3/4" | 192 |
| IB6 | 6 oz. | 6" x 4" x 3/4" | 96 |
| IB8 | 8 oz. | 6 1/2" x 4" x 3/4" | 72 |
| IB10 | 10 oz. | 8" x 6" x 1/2" | 52 |
| IB12 | 12 oz. | 6" x 6" x 1" | 48 |
| IB16 | 16 oz. | 6 1/4" x 6" x 1" | 36 |
| IB17 | 17 oz. | 10 1/2" x 4" x 1" | 36 |
| IB20 | 20 oz. | 8" x 8" x 3/4" | 28 |
| IB24 | 24 oz. | 8" x 6" x 1 1/4" | 24 |
| IB31 | 32 oz. | 8" x 8" x 1 1/2" | 18 |
| IB32 | 32 oz. | 10" x 6" x 1 1/2" | 18 |
| IB38 | 38 oz. | 14 1/4" x 6" x 1" | 14 |
| IB48 | 48 oz. | 10 1/4" x 8" x 1 1/2" | 12 |
| IB64 | 64 oz. | 11" x 8" x 2" | 8 |

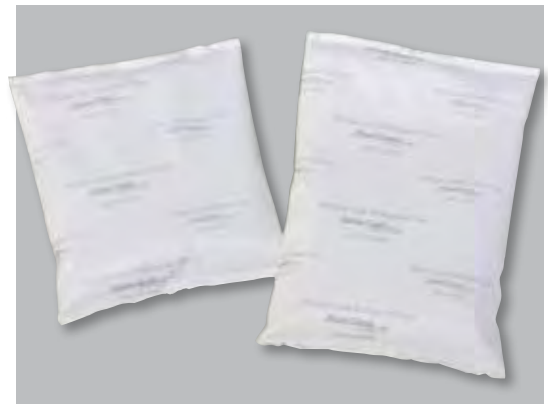
ICE-BRIX® PREMIUM POLY BAG LEAKPROOF



Moisture Safe film pouches reduce condensation during the humid months, products arrive dry.

| MOISTURE SAFE BAG | WEIGHT (OZ) | APPROX. DIMENSIONS L x W x THICKNESS (INCHES) | QUANTITY PER CASE |
|-------------------|-------------|---|-------------------|
| TP6/MS | 6 oz. | 6" x 4" x 3/4" | 96 |
| TP8/MS | 8 oz. | 6 1/2" x 4" x 3/4" | 72 |
| TP12/MS | 12 oz. | 6" x 6" x 1" | 48 |
| TP16/MS | 16 oz. | 6 1/4" x 6" x 1" | 36 |
| TP17/MS | 17 oz. | 10 1/2" x 4" x 1" | 32 |
| TP24/MS | 24 oz. | 8" x 6" x 1 1/4" | 24 |
| TP31/MS | 32 oz. | 8" x 8" x 1 1/2" | 18 |
| TP32/MS | 32 oz. | 10" x 6" x 1 1/2" | 18 |
| TP38/MS | 38 oz. | 14 1/4" x 6" x 1" | 14 |
| TP48/MS | 48 oz. | 10 1/4" x 8" x 1 1/2" | 12 |
| TP64/MS | 64 oz. | 11" x 8" x 2" | 8 |

ICE-BRIX® MOISTURE SAFE



Polar Tech Industries inventories all size refrigerants for your immediate shipment. Our large inventory allows us to respond quickly to your demands. We are your one-stop source for all your temperature packaging requirements.

ICE-BRIX® REFRIGERANT COLD PACKS

ICE-BRIX® LOW TEMPERATURE

This product features eutectic formula gel. Available upon request only.



| LOW TEMP BAG | WEIGHT (OZ) | APPROX. DIMENSIONS L x W x THICKNESS (INCHES) | QUANTITY PER CASE |
|--------------|-------------|---|-------------------|
| XB8 | 8 oz. | 6 1/2" x 4" x 3/4" | 72 |
| XB12 | 12 oz. | 6" x 6" x 1" | 48 |
| XB16 | 16 oz. | 6 1/4" x 6" x 1" | 36 |
| XB17 | 17 oz. | 10 1/2" x 4" x 1" | 32 |
| XB24 | 24 oz. | 8" x 6" x 1 1/4" | 24 |
| XB31 | 32 oz. | 8" x 8" x 1 1/2" | 18 |
| XB32 | 32 oz. | 10" x 6" x 1 1/2" | 18 |
| XB38 | 38 oz. | 14 1/4" x 6" x 1" | 14 |
| XB48 | 48 oz. | 10 1/4" x 8" x 1 1/2" | 12 |
| XB64 | 64 oz. | 11" x 8" x 2" | 8 |

ICE-BRIX® BIODEGRADABLE

These are sealed in a biodegradable heavy duty plastic pouch and are, therefore, an Earth friendly way to keep perishable products at a constant and desirable temperature.



| BIODEGRADABLE BAG | WEIGHT (OZ) | APPROX. DIMENSIONS L x W x THICKNESS (INCHES) | QUANTITY PER CASE |
|-------------------|-------------|---|-------------------|
| BD6 | 6 oz. | 6" x 4" x 3/4" | 96 |
| BD8 | 8 oz. | 6 1/2" x 4" x 3/4" | 72 |
| BD12 | 12 oz. | 6" x 6" x 1" | 48 |
| BD16 | 16 oz. | 6 1/4" x 6" x 1" | 36 |
| BD24 | 24 oz. | 8" x 6" x 1 1/4" | 24 |
| BD32 | 32 oz. | 10" x 6" x 1 1/2" | 18 |

BLACK ICE™ COLD PACK

These cold packs are made with a heavy duty plastic pouch and when properly used keep perishable products at a constant and desirable temperature. Economy Grade.



| POLY BAG | WEIGHT (OZ) | APPROX. DIMENSIONS L x W x THICKNESS (INCHES) | QUANTITY PER CASE |
|----------|-------------|---|-------------------|
| BLK6 | 6 oz. | 6" x 4" x 3/4" | 96 |
| BLK8 | 8 oz. | 6 1/2" x 4" x 3/4" | 72 |
| BLK12 | 12 oz. | 6" x 6" x 1" | 48 |
| BLK16 | 16 oz. | 6 1/4" x 6" x 1" | 36 |
| BLK24 | 24 oz. | 8" x 6" x 1 1/4" | 24 |
| BLK32 | 32 oz. | 10" x 6" x 1 1/2" | 18 |
| BLK48 | 48 oz. | 10 1/4" x 8" x 1 1/2" | 12 |



CUSTOM IMPRINTS

CUSTOM PRINT COLD PACKS

See page 12 for ICE-BRIX® Saddle Bag wraps.

Custom imprinting available on all films. Increase market exposure and promotional impact by using our ICE-BRIX® cold packs.

Your logo or design can be imprinted on these bags in red, green, blue or black. Low minimum runs and a small set-up charge required.

THE REFRIGERATOR IN A BAG!

RE-FREEZ-R-BRIX® is a block of rigid foam that holds its shape frozen or thawed and is reusable. These refrigerants are non-toxic, sealed in a heavy plastic pouch, and are rated the best in foam refrigerants. Other products just don't compare.

- **Prevents thawing...** Keeps frozen products chilled for an extended period of time.
- **Protects against freezing...** When packaged in properly insulated containers, warmed RE-FREEZ-R-BRIX® release heat, keeping perishables from freezing.
- **Protects from warming...** Keeps perishables requiring a temperature range of 32°F to 60°F at a safe, uniform cool temperature for over 14 days.

New 1" RE-FREEZ-R-BRIX sizes are blocks of rigid foam that maintains shape frozen or thawed and are reusable. They also allow for tight tolerances and layering in packaging.

COLD BRICKS



NEW!

NEW!

NEW!

NEW!

NEW!

NEW!

NEW!

NEW!

NEW!

| PART # | OUNCES | LBS. | BRIX SIZE (INCHES) | QUANTITY PER CASE |
|--------|--------|------|--------------------|-------------------|
| RB7 | 7.5 | 0.50 | 4" x 2¼" x 1½" | 48 |
| RB8 | 7.5 | 0.50 | 4½" x 4" x ¾" | 42 |
| RB6 | 8.0 | 0.50 | 4½" x 3" x 1" | 44 |
| RB13 | 13.5 | 0.84 | 4½" x 5" x 1" | 24 |
| RB15 | 15.0 | 0.95 | 4½" x 4" x 1½" | 24 |
| RB16 | 16.0 | 1.00 | 7¾" x 4¼" x 1" | 20 |
| RB603 | 22.0 | 1.33 | 9" x 8" x ½" | 16 |
| RB24 | 24.0 | 1.50 | 9¼" x 4½" x 1" | 14 |
| RB25 | 25.0 | 1.56 | 7½" x 5¾" x 1" | 12 |
| RB28 | 28.0 | 1.75 | 7" x 5" x 1½" | 12 |
| RB30 | 31.0 | 1.90 | 9" x 4" x 1½" | 12 |
| RB402 | 40.0 | 2.50 | 8½" x 8" x 1" | 8 |
| RB40 | 40.0 | 2.50 | 11" x 6¼" x 1" | 18 |
| RB48 | 48.0 | 3.00 | 9½" x 8½" x 1" | 8 |
| RB60 | 64.0 | 4.00 | 9" x 8" x 1½" | 6 |
| RB62 | 64.0 | 4.00 | 9" x 4" x 3" | 8 |
| RB64 | 64.0 | 4.00 | 11¼" x 9¼" x 1" | 12 |

CURTAIN OF COLD®

SADDLE BAGS



COLD POCKETS™

TEST AND
COMPARE



SADDLE BAGS AND COLD POCKETS

Fully wrap and protect your perishables with a "curtain of cold®". Unless you completely cover your product, the only thing keeping your product cold... is the product itself.

- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk shipping of refrigerated or frozen products even under extreme ambient conditions for up to 6 days.
- Reusable
- Recyclable

ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS

| PART # | DESCRIPTION |
|--------|--|
| SB24 | 12" x 144" 18 continuous packs, full length cold wrap or cut to desired length |
| SB10 | 8" x 34" 8 packs per length, in container cold wrap |

COLD POCKETS™ CREATE YOUR OWN CURTAIN OF COLD® WRAP, INSERT EITHER COLD PACKS, DRY ICE SLABS OR BOTH

| PART # | DESCRIPTION |
|--------|--|
| CP12 | 12" wide x 144" long 15 pockets per length |

(Minimum 4 full wraps) 7 wraps will provide a full curtain of cold coverage for a pallet or bulk transport shipper. You can cut them to a length of your choice to surround your product and keep the cold in place during shipping. Use pallet rubber band part # 1301, 1401 or 1501 to hold the refrigerant against the product during shipping.

NEW PRODUCTS

Fit your requirement & budget. Call our professionals for your needs.



COOL BARRIER
BOX LINERS
See page 25.



COOL STUFF™
INSULATED MAILERS
See page 24.

How to choose an insulated container and properly package your product effectively.

There are many variables to be considered when choosing a container and refrigerant that will protect your product from the elements, and shipping mishaps.

The three most important factors are insulation, refrigeration and protective packaging. More than just providing thermal protection you must also provide protection for the handling your package receives during shipment.

Refrigerants are the most important component of the perishable product package. Refrigerants control and stabilize temperature. The general recommendation is to place refrigerants across the top and all four sides (or at least two sides). *Refrigerants are the lowest cost component of the package and the most important component for maintaining temperature.*

CONTAINER THICKNESS

- ¾" – 1" EPS foam molded insulated containers are recommended for **Overnite™** – 2 day shippers.
- 1½" – 2" thick EPS foam molded insulated containers are recommended for 1 – 5 days transit.
- 2" – 3" thick EPS foam insulated containers are recommended for 2 – 8 or more days in transit.

CHOOSING AND PACKAGING THE INSULATED CONTAINER

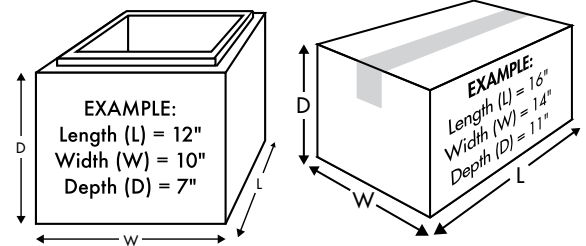
1. Arrange the product to be packaged, measure the dimensions (length x width x depth).
2. Add 1½" to the depth dimension for top refrigerant placement across top. Add 3" to width dimensions and 3" to the length dimensions for a 1½" space on either side of length and width to totally surround the perishable product with refrigerant.
3. Place the perishable products and refrigerants into the insulated container. Surround the product with refrigerant, for best results.
4. Fill all void areas (empty space) of the container with dunnage or a solid type packing material. This maximizes the insulating performance, and prevents products from shifting.
5. Close the insulated container, label and ship.



T21C



T19F



POLAR EXPRESS™ 2-3 DAY 1" INSULATED CONTAINERS

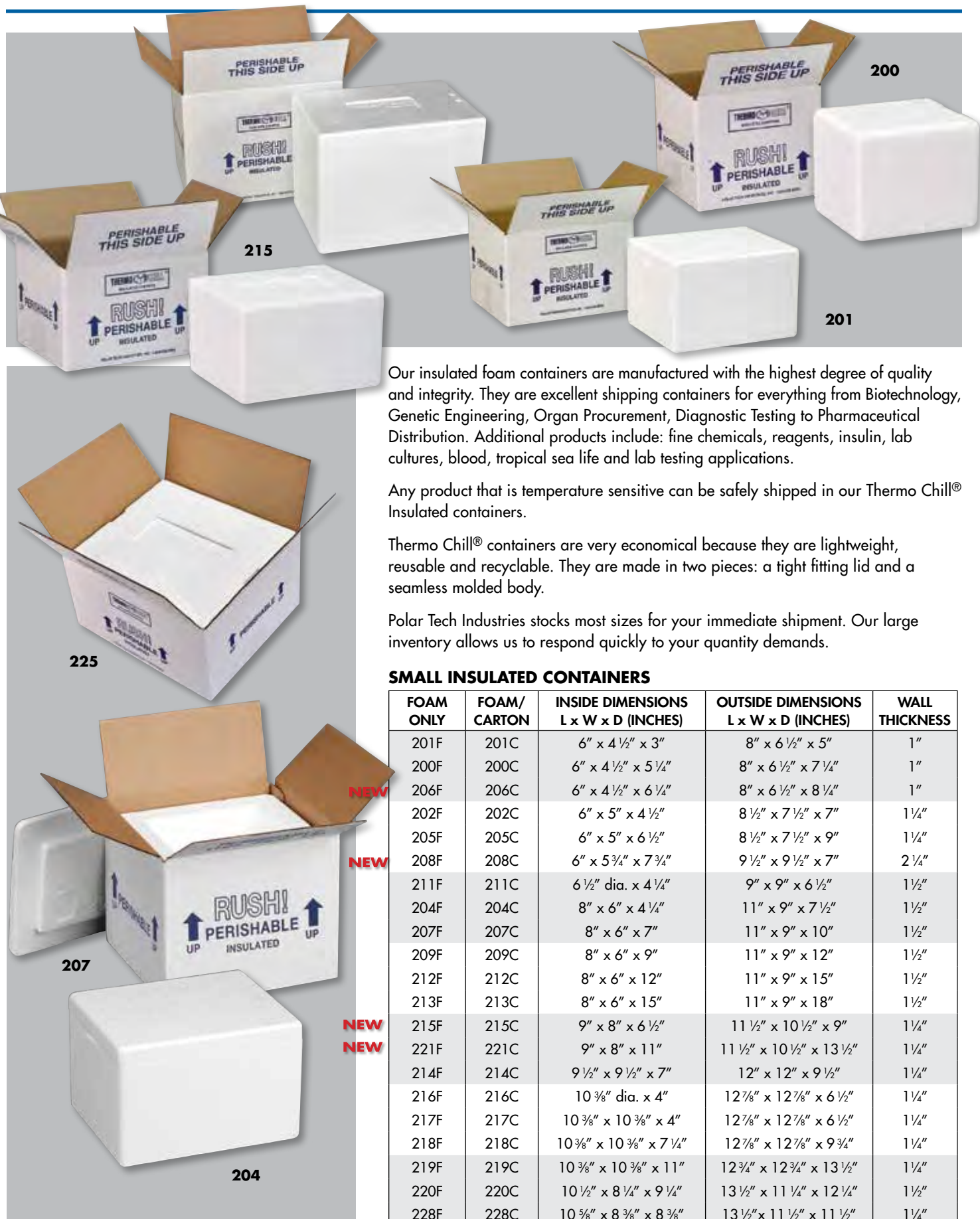
Perfect fit between our standard "Thermo Chill®" and "Overnite™" series containers. Structural 1" EPS foam is more rigid than ¾" ON series. The 2-Day Polar Express™ insulated containers are durable for 2-3 day transit.

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) | WALL THICKNESS |
|-----------|-------------|---|-------------------|
| PX06F | PX06C | 6" x 4½" x 6½" | 1" |
| PX314F | --- | 9" x 9" x 3½" | 1¼" |
| PX323F | PX323C | 12" x 8" x 6½" | 1" |
| PX325F | PX325C | 12¾" x 12¾" x 10½" | 1" |
| PX347F | PX347C | 13¼" x 13¼" x 13" | 1" |
| PX343F | PX343C | 15" x 9¼" x 7½" | 1" |
| PX344F | PX344C | 15" x 9½" x 4½" | 1" |
| PX346F | --- | 15⅜" x 9⅜" x 9½" | 1½" |
| PX345F | PX345C | 15½" x 15½" x 12½" | 1" |
| PX351F | --- | 16" x 10" x 6⅜" | 1½" |
| PX356F | PX356C | 17" x 12¾" x 6½" | 1" |
| PX376F | PX376C | 21½" x 16½" x 15½" | 1" |

POLAR EXPRESS™ 2-3 DAY INSULATED CONTAINERS



INSULATED FOAM SHIPPERS (1-5 DAYS)



Our insulated foam containers are manufactured with the highest degree of quality and integrity. They are excellent shipping containers for everything from Biotechnology, Genetic Engineering, Organ Procurement, Diagnostic Testing to Pharmaceutical Distribution. Additional products include: fine chemicals, reagents, insulin, lab cultures, blood, tropical sea life and lab testing applications.

Any product that is temperature sensitive can be safely shipped in our Thermo Chill® Insulated containers.

Thermo Chill® containers are very economical because they are lightweight, reusable and recyclable. They are made in two pieces: a tight fitting lid and a seamless molded body.

Polar Tech Industries stocks most sizes for your immediate shipment. Our large inventory allows us to respond quickly to your quantity demands.

SMALL INSULATED CONTAINERS

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) | OUTSIDE DIMENSIONS L x W x D (INCHES) | WALL THICKNESS |
|-----------|-------------|---|--|----------------|
| 201F | 201C | 6" x 4 1/2" x 3" | 8" x 6 1/2" x 5" | 1" |
| 200F | 200C | 6" x 4 1/2" x 5 1/4" | 8" x 6 1/2" x 7 1/4" | 1" |
| 206F | 206C | 6" x 4 1/2" x 6 1/4" | 8" x 6 1/2" x 8 1/4" | 1" |
| 202F | 202C | 6" x 5" x 4 1/2" | 8 1/2" x 7 1/2" x 7" | 1 1/4" |
| 205F | 205C | 6" x 5" x 6 1/2" | 8 1/2" x 7 1/2" x 9" | 1 1/4" |
| 208F | 208C | 6" x 5 3/4" x 7 3/4" | 9 1/2" x 9 1/2" x 7" | 2 1/4" |
| 211F | 211C | 6 1/2" dia. x 4 1/4" | 9" x 9" x 6 1/2" | 1 1/2" |
| 204F | 204C | 8" x 6" x 4 1/4" | 11" x 9" x 7 1/2" | 1 1/2" |
| 207F | 207C | 8" x 6" x 7" | 11" x 9" x 10" | 1 1/2" |
| 209F | 209C | 8" x 6" x 9" | 11" x 9" x 12" | 1 1/2" |
| 212F | 212C | 8" x 6" x 12" | 11" x 9" x 15" | 1 1/2" |
| 213F | 213C | 8" x 6" x 15" | 11" x 9" x 18" | 1 1/2" |
| 215F | 215C | 9" x 8" x 6 1/2" | 11 1/2" x 10 1/2" x 9" | 1 1/4" |
| 221F | 221C | 9" x 8" x 11" | 11 1/2" x 10 1/2" x 13 1/2" | 1 1/4" |
| 214F | 214C | 9 1/2" x 9 1/2" x 7" | 12" x 12" x 9 1/2" | 1 1/4" |
| 216F | 216C | 10 3/8" dia. x 4" | 12 7/8" x 12 7/8" x 6 1/2" | 1 1/4" |
| 217F | 217C | 10 3/8" x 10 3/8" x 4" | 12 7/8" x 12 7/8" x 6 1/2" | 1 1/4" |
| 218F | 218C | 10 3/8" x 10 3/8" x 7 1/4" | 12 7/8" x 12 7/8" x 9 3/4" | 1 1/4" |
| 219F | 219C | 10 3/8" x 10 3/8" x 11" | 12 3/4" x 12 3/4" x 13 1/2" | 1 1/4" |
| 220F | 220C | 10 1/2" x 8 1/4" x 9 1/4" | 13 1/2" x 11 1/4" x 12 1/4" | 1 1/2" |
| 228F | 228C | 10 5/8" x 8 3/8" x 8 3/8" | 13 1/2" x 11 1/2" x 11 1/2" | 1 1/4" |
| 237F | 237C | 10 5/8" x 8 3/8" x 13 5/8" | 13 1/2" x 11 1/2" x 16 1/2" | 1 1/4" |

INSULATED FOAM SHIPPERS (1-5 DAYS)



MEDIUM INSULATED CONTAINERS

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) | OUTSIDE DIMENSIONS L x W x D (INCHES) | WALL THICKNESS | |
|------------|-------------|--|---|--|---------------------------------|
| 225F | 225C | 12" x 10" x 5" | 15 ³ / ₁₆ " x 13 ⁷ / ₁₆ " x 8 ¹ / ₈ " | 1 ¹ / ₂ " | |
| 227F | 227C | 12" x 10" x 7" | 15 ⁵ / ₈ " x 13 ⁹ / ₁₆ " x 10 ¹ / ₈ " | 1 ¹ / ₂ " | |
| 229F | 229C | 12" x 10" x 9" | 15" x 13" x 12" | 1 ¹ / ₂ " | |
| 231F | 231C | 12" x 10" x 15" | 15" x 13" x 18" | 1 ¹ / ₂ " | |
| 230F | 230C | 12" x 12" x 11 ¹ / ₂ " | 16" x 16" x 15 ¹ / ₂ " | 2" | |
| NEW | 273F | 273C | 12 ¹ / ₄ " x 12 ¹ / ₄ " x 12" | 15 ¹ / ₄ " x 15 ¹ / ₄ " x 15" | 1 ¹ / ₂ " |
| 232F | 232C | 12 ³ / ₈ " x 10 ¹ / ₂ " x 10 ³ / ₈ " | 16 ³ / ₈ " x 14 ¹ / ₂ " x 14 ³ / ₈ " | 2" | |
| 234F | 234C | 12 ³ / ₄ " x 12 ³ / ₄ " x 4 ¹ / ₄ " | 15 ¹ / ₄ " x 15 ¹ / ₄ " x 6 ³ / ₄ " | 1 ¹ / ₄ " | |
| 235F | 235C | 12 ³ / ₄ " x 12 ³ / ₄ " x 8 ¹ / ₂ " | 15 ¹ / ₄ " x 15 ¹ / ₄ " x 11" | 1 ¹ / ₄ " | |
| 236F | 236C | 12 ³ / ₄ " x 12 ³ / ₄ " x 12 ¹ / ₂ " | 15 ¹ / ₄ " x 15 ¹ / ₄ " x 14 ³ / ₄ " | 1 ¹ / ₄ " | |
| 240F | 240C | 13" x 13" x 12 ¹ / ₂ " | 16" x 16" x 15 ¹ / ₂ " | 1 ¹ / ₂ " | |
| 238F | 238C | 13 ³ / ₈ " x 11 ³ / ₈ " x 11 ⁷ / ₈ " | 16 ¹ / ₄ " x 14 ¹ / ₄ " x 14 ¹ / ₄ " | 1 ¹ / ₄ " | |
| 282F | 282C | 14 ¹ / ₂ " x 14 ¹ / ₂ " x 4 ¹ / ₂ " | 17" x 17" x 7" | 1 ¹ / ₄ " | |
| 283F | 283C | 14 ¹ / ₂ " x 14 ¹ / ₂ " x 8 ³ / ₄ " | 17" x 17" x 11 ¹ / ₄ " | 1 ¹ / ₄ " | |
| 284F | 284C | 14 ¹ / ₂ " x 14 ¹ / ₂ " x 13" | 17" x 17" x 15 ¹ / ₂ " | 1 ¹ / ₄ " | |
| NEW | 243F | 243C | 15 ¹ / ₄ " x 12 ³ / ₈ " x 12" | 17 ¹ / ₂ " x 14 ¹ / ₂ " x 14 ³ / ₄ " | 1" |
| NEW | 254F | 254C | 16" x 9" x 13" | 22" x 15" x 19" | 3" |
| NEW | 242F | 242C | 16 ¹ / ₄ " x 7 ¹ / ₂ " x 8 ¹ / ₄ " | 19 ³ / ₄ " x 11" x 11 ¹ / ₂ " | 1 ³ / ₄ " |
| 241F | 241C | 16 ¹ / ₄ " x 11 ¹ / ₄ " x 6" | 19 ¹ / ₄ " x 14 ¹ / ₄ " x 9" | 1 ¹ / ₂ " | |
| 249F | 249C | 16 ³ / ₈ " x 16 ³ / ₈ " x 15" | 20 ³ / ₄ " x 20 ³ / ₄ " x 19 ¹ / ₂ " | 2" | |
| 253F | 253C | 16 ¹ / ₂ " x 9 ⁵ / ₈ " x 17" | 19 ¹ / ₂ " x 12 ⁵ / ₈ " x 20" | 1 ¹ / ₂ " | |
| 252F | 252C | 16 ¹ / ₂ " x 10" x 8 ¹ / ₂ " | 20 ³ / ₄ " x 14 ³ / ₄ " x 11 ¹ / ₂ " | 2" | |
| 245F | 245C | 17" x 10" x 8 ¹ / ₄ " | 20 ¹ / ₂ " x 13 ¹ / ₂ " x 11 ¹ / ₄ " | 1 ¹ / ₂ " | |
| 246F | 246C | 17" x 10" x 10 ¹ / ₂ " | 20 ¹ / ₂ " x 13 ¹ / ₂ " x 13 ¹ / ₂ " | 1 ¹ / ₂ " | |
| 247F | 247C | 17" x 10" x 12 ³ / ₈ " | 20 ¹ / ₂ " x 13 ¹ / ₂ " x 17 ¹ / ₂ " | 1 ¹ / ₂ " | |

Thermo Chill® shippers are available as a "foam only" unit or foam in a functional and attractive white corrugated box.

- Large selection of sizes
- Superior Insulation
- Foam only
- Chest and lid assembly
- Foam in a box
- In stock — immediate shipment



INSULATED FOAM SHIPPERS (1-5 DAYS)



LARGE INSULATED CONTAINERS

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) | OUTSIDE DIMENSIONS L x W x D (INCHES) | WALL THICKNESS |
|-----------------|-------------|--------------------------------------|---------------------------------------|----------------|
| 251F | 251C | 17" x 10" x 17" | 20" x 13" x 20" | 1½" |
| 250F | 250C | 17" x 17" x 9" | 20" x 20" x 12" | 1½" |
| 248F | 248C | 18" x 14" x 19" | 20 ½" x 16 ½" x 21 ½" | 1¼" |
| 260F | 260C | 19 ½" x 11 ½" x 4 ⅛" | 22 ½" x 14 ½" x 7 ⅛" | 1½" |
| 261F | 261C | 19" x 12" x 12 ½" | 22" x 15" x 15 ½" | 1½" |
| 266F | 266C | 19" x 12" x 16" | 22" x 15" x 19" | 1½" |
| NEW 269F | 269C | 21 ¼" x 15 ½" x 15 ½" | 25 ¼" x 19 ½" x 19 ½" | 2" |
| 291F | 291C | 22 ¾" x 10" x 4 ½" | 25" x 12 ¼" x 6 ½" | 1" |
| 292F | 292C | 22 ¾" x 10" x 8 ¾" | 25" x 12 ¼" x 10 ¾" | 1" |
| 293F | 293C | 22 ¾" x 10" x 13" | 25" x 12 ¼" x 15" | 1" |



CARRY STRAPS

Carry two insulated containers in one hand. Secure lids during handling and transport. See page 31 for ordering information.

EXTRA LARGE INSULATED CONTAINERS

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) | OUTSIDE DIMENSIONS L x W x D (INCHES) | WALL THICKNESS |
|-----------|-------------|--------------------------------------|---------------------------------------|----------------|
| 296F | 296C | 23" x 14" x 23" | 28" x 19" x 28" | 2 ½" |
| 270F | 270C | 24 ½" x 5 ½" x 5 ½" | 27" x 8" x 8" | 1¼" |
| 295F | 295C | 25" x 16 ½" x 12" | 28 ⅞" x 19 ¾" x 15 ⅞" | 1½" |
| 271F | 271C | 26" x 19 ⅜" x 10 ½" | 29" x 22 ¾" x 13 ½" | 1½" |
| 281F | 281C | 30 ¼" x 14 ½" x 16" | 33 ¼" x 17 ½" x 19" | 1½" |

CONVENIENT LAB SAMPLER MAILER KITS

The design of our chest and lid simplify packing and unloading.

- Insulated mailers with white box and cold packs in a convenient starter kit.
- Safely accommodates small bottles, samples or mail order shipments.
- Light weight, durable, excellent insulating properties.
- Reusable and recyclable.

COMPACT MAILER/ICE-BRIX® CONVENIENT PACKS

- Kit order # 201KIT** Convenient Pack – Includes
24 Item # 201C Compact mailers and
(6" x 4 1/2" x 3" ID) (8" x 6 1/2" x 5" OD)
36 Item # IB8 ICE-BRIX® cold pack

COMPACT MAILER TEMP-CONTROL, 4 SPECIMEN TUBE/ICE-BRIX® CONVENIENT PACKS

- Kit order # 201VIC** Convenient Pack – Includes
24 Item # 201C Compact mailers and
(6" x 4 1/2" x 3" ID) (8" x 6 1/2" x 5" OD)
with an assembled 4 cavity specimen tube insert,
holds 4 (3 – 10 mil) tubes
36 Item # IB8 ICE-BRIX® cold pack

TALL COMPACT MAILER/ICE-BRIX® CONVENIENT PACKS

(2" more packing space)

- Kit order # 200KIT** Convenient Pack – Includes
18 Item # 200C Tall Compact mailers
(6" x 4 1/2" x 5 1/4" ID) (8" x 6 1/2" x 7 1/4" OD)
36 Item # IB8 ICE-BRIX® cold pack

211C BIO MAILER/ICE-BRIX® CONVENIENT PACKS

- Kit order # 211KIT** Convenient Pack – Includes
12 Item # 211C Insulated mailers
(6 1/2" Dia. x 4" ID) (9 1/2" Dia. x 7" OD)
36 Item # IB8 ICE-BRIX® cold pack

204C INSULATED SHIPPER/ICE-BRIX® CONVENIENT PACKS

- Kit order # 204KIT** Convenient Pack – Includes
10 Item # 204C Insulated shippers
(8" x 6" x 4 1/2" ID) (11" x 9" x 7 1/2" OD)
12 Item # IB12 ICE-BRIX® cold pack

207C INSULATED SHIPPERS/ICE-BRIX® CONVENIENT PACKS

- Kit order # 207KIT** Convenient Pack – Includes
6 Item # 207C Insulated shippers
(8" x 6" x 7" ID) (11" x 9" x 10" OD)
12 Item # IB12 ICE-BRIX® cold pack

For more information on refrigerant cold packs – see pages 9-11.



OVERNITE™ SHIPPERS AND MAILERS

THERMO CHILL® OVERNITE™ (1-2 DAY)



Thermo Chill® Overnight™ Shippers and Mailers are engineered especially for the 1-2 day shipper. They are lightweight, dependable and very cost-effective.

We manufacture a complete line of the highest quality, multi-use insulated containers for overnight or two-day shipments. These lightweight yet sturdy shippers are an inexpensive solution for shipping temperature-sensitive products via UPS, FedEx, Airfreight, Parcel Postal or other services.

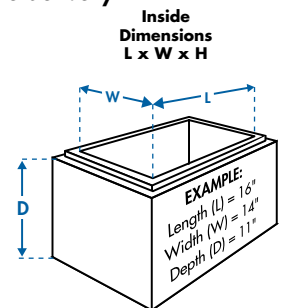
For extended shipping times, make use of our ICE-BRIX® leakproof, and odorless gel refrigerant packs (see pages 7 and 8).

Our specially formulated packs are proven to be the best solution for long lasting, low temperature consistency during shipments.

- Priority shipments
- Lightweight
- Economical
- Multiple sizes
- Corrugated box
- All sizes in stock
- Immediate delivery

Carriers may require overnight containers to be shipped in a corrugated box.

We are your one stop source for all your temperature packaging requirements. The leader in stock selection for your most effective, consistent, custom shipping solutions, including immediate service.



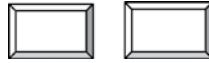
NEW

| FOAM ONLY | FOAM/CARTON | INTERIOR DIMENSIONS L x W x D | EXTERIOR DIMENSIONS L x W x D | WALL THICKNESS |
|-----------|-------------|---|---|----------------|
| 706F | 706C | 5 ⁷ / ₈ " x 3 ⁷ / ₈ " x 2 ⁷ / ₈ " | 6 ⁷ / ₈ " x 4 ⁷ / ₈ " x 3 ⁷ / ₈ " | 1/2" |
| 201F | 201C | 6" x 4 1/2" x 3" | 8" x 6 1/2" x 5" | 1" |
| ON7F | ON7C | 7" x 6" x 5 1/2" | 8 1/2" x 7 1/2" x 7" | 3/4" |
| ON12F | ON12C | 9 1/2" x 7 1/2" x 5 1/2" | 11" x 9" x 7" | 3/4" |
| ON18F | ON18C | 9 1/2" x 7 1/2" x 10 1/2" | 11" x 9" x 12" | 3/4" |
| ON17F | ON17C | 10" x 10" x 4 1/4" | 11 3/4" x 11 3/4" x 5 3/4" | 3/4" |
| ON19F | ON19C | 10 1/2" x 10 1/2" x 8" | 12" x 12" x 9 1/2" | 3/4" |
| ON20F | ON20C | 12" x 9 3/4" x 11" | 13 1/2" x 11 1/4" x 12 1/2" | 3/4" |
| ON23F | ON23C | 14" x 8" x 5" | 15 1/2" x 9 1/2" x 6 1/2" | 3/4" |
| ON24F | ON24C | 14" x 8" x 10" | 15 1/2" x 9 1/2" x 11 1/2" | 3/4" |
| ON28F | ON28C | 14 1/2" x 14 1/2" x 14" | 16" x 16" x 15 1/2" | 3/4" |
| ON22F | ON22C | 14 1/2" x 6" x 4 1/2" | 16 1/4" x 8 3/4" x 6" | 3/4" |
| ON40F | ON40C | 15" x 13" x 13" | 16 1/2" x 14 1/2" x 14 1/2" | 3/4" |
| ON43F | ON43C | 15 1/4" x 12 3/8" x 12" | 17 1/4" x 14 3/8" x 14" | 1" |
| ON39F | ON39C | 16 1/4" x 10 1/2" x 7 1/4" | 18" x 12 1/4" x 9" | 7/8" |
| ON47F | ON47C | 16 1/2" x 10 7/8" x 10" | 18 1/4" x 12 5/8" x 11 3/4" | 7/8" |
| ON36F | ON36C | 18 1/2" x 11 1/2" x 9 3/4" | 20" x 13" x 11 1/4" | 3/4" |
| ON38F | ON38C | 18 1/2" x 11 1/2" x 18 1/2" | 20" x 13" x 20" | 3/4" |
| ON49F | ON49C | 18 3/4" x 18 3/4" x 17" | 20 1/4" x 20 1/4" x 18 1/2" | 3/4" |
| ON55F | ON55C | 20 1/2" x 12 1/2" x 5 1/8" | 22" x 14" x 6 3/8" | 3/4" |
| ON50F | ON50C | 20 3/4" x 13 3/4" x 14" | 22 1/4" x 15 1/4" x 15 1/2" | 3/4" |
| ON69F | ON69C | 22 7/8" x 16 7/8" x 16 7/8" | 25 3/8" x 19 3/8" x 19 3/8" | 1 1/4" |
| ON66F | ON66C | 25 1/2" x 6 1/4" x 6 1/4" | 26 3/4" x 7 1/2" x 7 1/2" | 3/4" |

F = "Foam Unit Only" container described above.
C = Foam unit in assembled 32 ECT corrugated box.

INSULATED MULTI-DEPTH SHIPPERS

The perfect container for shipping everything from small, medium and large order fulfillment with minimal effort



The Expand-em™ Series is designed to meet a full range of shipping needs. The distinctive “common” top and bottom style with easy-locking seal create multiple possible shippers from only two pieces.

The Expand-em™ Series provides an affordable alternative for customers with storage restrictions as well as variable height sizing requirements. Simply add a lid to a lid or a lid to a base or a base to a base. Always allow room for your refrigerant packs or dry ice to help ensure your perishable product’s integrity upon arrival.

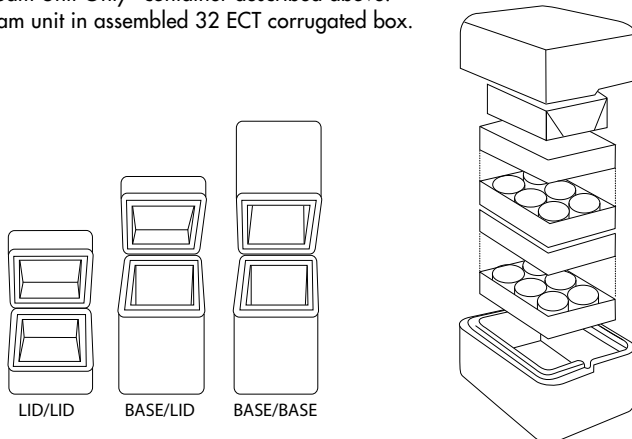
Most carriers require the insulated shippers to be in an outer corrugated box. Our professional representatives can assist you further with any questions.

INSULATED MULTI-DEPTH FOAM SHIPPERS



| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | WALL THICKNESS |
|-----------|-------------|--------------------------------|---------------------------------|----------------|
| XM16F | XM16C | 10 3/8" dia. x 4" | 12 7/8" x 12 7/8" x 6 1/2" | 1 1/4" |
| XM1F | XM1C | 10 3/8" x 10 3/8" x 4" | 12 7/8" x 12 7/8" x 6 1/2" | 1 1/4" |
| XM2F | XM2C | 10 3/8" x 10 3/8" x 7 1/4" | 12 7/8" x 12 7/8" x 9 3/4" | 1 1/4" |
| XM3F | XM3C | 10 3/8" x 10 3/8" x 11" | 12 3/4" x 12 3/4" x 3 1/2" | 1 1/4" |
| XM7F | XM7C | 10 1/2" x 8 1/2" x 5" | 13" x 11" x 7 1/2" | 1 1/4" |
| XM8F | XM8C | 10 1/2" x 8 1/2" x 8 1/2" | 13" x 11" x 11" | 1 1/4" |
| XM9F | XM9C | 10 1/2" x 8 1/2" x 12" | 13" x 11" x 14 1/2" | 1 1/4" |
| XM10F | XM10C | 10 1/2" x 8 1/2" x 13 1/2" | 13" x 11" x 16" | 1 1/4" |
| XM11F | XM11C | 10 1/2" x 8 1/2" x 17" | 13" x 11" x 19 1/2" | 1 1/4" |
| XM12F | XM12C | 10 1/2" x 8 1/2" x 22" | 13" x 11" x 24 1/2" | 1 1/4" |
| XM13F | XM13C | 10 5/8" x 6 1/2" x 2" | 13" x 8 1/2" x 4 1/4" | 3/4" |
| XM14F | XM14C | 10 5/8" x 6 1/2" x 3 1/2" | 13" x 8 1/2" x 5 3/4" | 3/4" |
| XM15F | XM15C | 10 5/8" x 6 1/2" x 5" | 13" x 8 1/2" x 6 1/2" | 3/4" |
| XM4F | XM4C | 12 3/4" x 12 3/4" x 4 1/4" | 15 1/4" x 15 1/4" x 6 3/4" | 1 1/4" |
| XM5F | XM5C | 12 3/4" x 12 3/4" x 8 1/2" | 15 1/4" x 15 1/4" x 11" | 1 1/4" |
| XM6F | XM6C | 12 3/4" x 12 3/4" x 12 1/2" | 15 1/4" x 15 1/4" x 14 3/4" | 1 1/4" |
| XM17F | XM17C | 14 1/2" x 14 1/2" x 4 1/2" | 17" x 17" x 7" | 1 1/4" |
| XM18F | MX18C | 14 1/2" x 14 1/2" x 8 3/4" | 17" x 17" x 11 1/4" | 1 1/4" |
| XM19F | XM19C | 14 1/2" x 14 1/2" x 13" | 17" x 17" x 15 1/2" | 1 1/4" |
| XM20F | XM20C | 22 3/4" x 10" x 4 1/2" | 25" x 12 1/4" x 6 1/2" | 1" |
| XM21F | XM21C | 22 3/4" x 10" x 8 3/4" | 25" x 12 1/4" x 10 3/4" | 1" |
| XM22F | XM22C | 22 3/4" x 10" x 13" | 25" x 12 1/4" x 15" | 1" |

F = “Foam Unit Only” container described above.
C = Foam unit in assembled 32 ECT corrugated box.

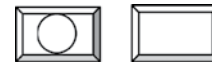


EXPAND-EM™ FOAM SHIPPERS

THERMO CHILL® ROUND BASE/SQUARE LID



EXPAND-EM™ SERIES 8 1/8" ROUND DIAMETER INTERIOR AND SQUARE INTERIOR TOP



The open top and bottom support diameter position and side refrigerant partitions allows full cold wrap with ICE-BRIX® Saddle Bag refrigerants.

Ideal for 6" – 8" round containers either cans or bottles. Round containers of temperature sensitive products stay in position while draped with a curtain of saddle bag ICE-BRIX® refrigerant or frozen dry ice.

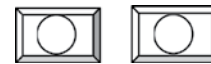
- Mix and select your height – 3 sizes creates 6 containers
- Versatile and saves money for customer mail orders
- Use with dry ice or refrigerant packs

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | WALL THICKNESS |
|-----------|-------------|--------------------------------|---------------------------------|----------------|
| XM7MF | XM7MC | 8 1/4" dia. x 5" | 11" x 13 1/4" x 7 1/2" | 1 1/4" |
| XM8MF | XM8MC | 8 1/4" dia. x 8 1/2" | 11" x 13 1/4" x 11" | 1 1/4" |
| XM9MF | XM9MC | 8 1/4" dia. x 12" | 11" x 13 1/4" x 14 1/2" | 1 1/4" |
| XM10MF | XM10MC | 8 1/4" dia. x 13 1/2" | 11" x 13 1/4" x 16" | 1 1/4" |
| XM11MF | XM11MC | 8 1/4" dia. x 17" | 11" x 13 1/4" x 19 1/2" | 1 1/4" |
| XM12MF | XM12MC | 8 1/4" dia. x 22" | 11" x 13 1/4" x 24 1/2" | 1 1/4" |

THERMO CHILL® ROUND BASE AND LID



EXPAND-EM™ SERIES 8 1/8" ROUND DIAMETER INTERIOR BASE/LID



With side refrigerant partitions. Ideal for round containers either cans or bottles stay in position. Designed with side refrigerant compartment for cold packs or dry ice.

- 1 1/4" x 8 1/4" refrigerant chamber on two sides of product diameter
- Mix and select your height – 3 sizes creates 6 containers
- Versatile and saves money for customer mail orders
- Use with dry ice or long refrigerant packs

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | WALL THICKNESS |
|-----------|-------------|--------------------------------|---------------------------------|----------------|
| XM7RF | XM7RC | 8 1/4" dia. x 5" | 11" x 13 1/2" x 7 1/2" | 1 1/4" |
| XM8RF | XM8RC | 8 1/4" dia. x 8 1/2" | 11" x 13 1/2" x 11" | 1 1/4" |
| XM9RF | XM9RC | 8 1/4" dia. x 12" | 11" x 13 1/2" x 14 1/2" | 1 1/4" |
| XM10RF | XM10RC | 8 1/4" dia. x 13 1/2" | 11" x 13 1/2" x 16" | 1 1/4" |
| XM11RF | XM11RC | 8 1/4" dia. x 17" | 11" x 13 1/2" x 19 1/2" | 1 1/4" |
| XM12RF | XM12RC | 8 1/4" dia. x 22" | 11" x 13 1/2" x 24 1/2" | 1 1/4" |

ICE-BRIX® SADDLE BAGS

- Reusable
- Recyclable



- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days

| PART # | ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS |
|--------|---|
| SB10 | 8" x 34" 8 packs per length, in container cold wrap |

NESTABLE INSULATED CONTAINERS

THERMAL ASSURANCE

Thermo Chill® Nestable Shippers are engineered especially for stackability, excellent drop shock and improved internal product cooling. Ideal for 1- 6 day transit time. They are lightweight, very durable and cost effective.

The nestable design saves space, doubles the quantity per truck in the same allotted warehouse space. It's a terrific benefit to your bottom line and storage concerns.

For extended shipping time, use convenient ICE-BRIX® new long size refrigerants or standard sizes to surround the product and across the top to maximize shipping time.

Delicate enough for tropical fish, live coral and strong enough for heavy 5 gallon plastic buckets of foods and liquids.

- Economical
- Light weight
- Space savers, storage and shipping
- Space reserved for refrigerants
- Unique design to extend Cold/Frozen ship time

| FOAM ONLY | FOAM/CARTON | INTERIOR DIMENSIONS | EXTERIOR DIMENSIONS L x W x D | WALL THICKNESS |
|-----------|-------------|-------------------------------------|----------------------------------|----------------|
| | | TOP: L x W x D BOTTOM: L x W x D | | |
| NS-3F | NS-3C | 7 3/4" x 6 3/4" x 5 3/4" | 9 1/4" x 8 1/4" x 7 1/4" | 3/4" |
| | | 6" x 5" x 5 3/4" | | |
| NS-5F | NS-5C | 8 3/4" x 8 3/4" x 6 1/2" | 10 1/4" x 10 1/4" x 8 1/4" | 3/4" |
| | | 7" x 7" x 6 1/2" | | |
| NS-7F | NS-7C | 14 1/2" x 14 1/2" x 16 1/2" | 17 3/4" x 17 3/4" x 19 1/2" | 1 1/2" |
| | | 11 1/2" x 11 1/2" x 16 1/2" | | |
| NS-9F | NS-9C | 15 3/4" x 15 3/4" x 17" | 17 3/4" x 17 3/4" x 19 1/2" | 1" |
| | | 12 1/2" x 12 1/2" x 17" | | |
| NS-12F | NS-12C | 16" x 9 1/2" x 7 1/2" | 17 3/4" x 11 1/4" x 9 1/4" | 7/8" |
| | | 14" x 7 1/2" x 7 1/2" | | |
| NS-15F | NS-15C | 16" x 12" x 10 1/2" | 17 3/4" x 13 3/4" x 12 1/4" | 7/8" |
| | | 14" x 10" x 10 1/2" | | |
| NS-16F | NS-16C | 16" x 16" x 7" | 17 3/4" x 17 3/4" x 8 3/4" | 7/8" |
| | | 14" x 14" x 7" | | |
| NS-20F | NS-20C | 19 1/2" x 12 1/2" x 8" | 21 1/4" x 14 1/4" x 10 1/4" | 1" |
| | | 17" x 10" x 8" | | |

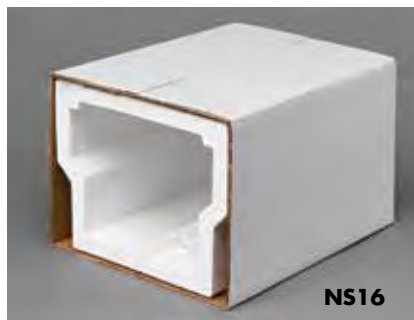
F = "Foam Unit Only" container described above.

KD = Knock Down box shipped flat to save on freight costs.

NESTABLE SERIES (1-6 DAY)



We are your one-stop source for all your temperature packaging requirements. The leader in selection and stock for your most effective, consistent and custom shipping solutions, including immediate personal service.



INSULATED TOTES/SPACE SAVER KITS™

THERMO CHILL® REUSABLE PLASTIC INSULATED TOTES



These durable, ultra high impact, polyethylene totes are built to last and are insulated with thick polystyrene foam insert.

- Durable
- Stackable
- Lightweight
- Reusable

Reusable plastic totes with EPS foam liner are ideal for distribution, and storage.

- Plastic tote or plastic tote with EPS foam insulated liners
- Textured bottom ensures non-slip grip in transit
- Handle grips on either side for easy carrying
- Tamper proof lid, designed for use with cable ties (see page 60)
- High density polyethylene
- Replaceable EPS foam insulated liners
- Available in Gray, Red or Blue



PLASTIC TOTES

| PART # | OUTSIDE DIMENSIONS L x W x D | INSIDE DIMENSIONS L x W x D | PART WEIGHT |
|--------|---------------------------------|--------------------------------|-------------|
| HT22 | 19 5/8" x 11 3/4" x 7 1/4" | 16 1/8" x 8 1/2" x 6" | 3.4 lbs. |
| HT39 | 21 3/4" x 15 1/8" x 9 3/4" | 18" x 12 7/8" x 8 5/8" | 4.1 lbs. |
| HT47 | 21 3/4" x 15 1/8" x 12 7/8" | 18 1/8" x 12 1/4" x 11 3/4" | 6.5 lbs. |

Add color suffix to part #: Gray = GY, Red = RD, Blue = BL

FOAM INSULATED LINERS FOR TOTES

| PART # | OUTSIDE DIMENSIONS L x W x D | INSIDE DIMENSIONS L x W x D | THICKNESS |
|--------|---------------------------------|--------------------------------|-----------|
| ON22F | 17 1/2" x 19" x 6" | 14 1/2" x 16" x 4 1/2" | 3/4" |
| T42F | 18" x 12 1/4" x 10 3/4" | 15" x 9 1/4" x 7 3/4" | 1 1/2" |
| PX351F | 20" x 14" x 8 3/8" | 16" x 10" x 6 3/8" | 1 1/2" |
| ON39F | 20" x 14" x 9" | 16 1/4" x 10 1/2" x 7 1/4" | 7/8" |
| PX346F | 20" x 14" x 11 3/4" | 15 3/8" x 9 3/8" x 9 1/2" | 1 1/2" |
| ON47F | 20" x 14" x 11 3/4" | 16 1/4" x 10 1/2" x 10" | 7/8" |
| T52F | 21" x 14" x 10 3/4" | 17" x 11" x 6 3/4" | 2" |

Replacement EPS Foam lids available. Call for quote.

THERMO CHILL® SPACE SAVER KIT™ INSULATED SHIPPERS



The Space Saver Kit™ Series stores flat and are easy to assemble when needed – just pack and ship.

Space Saver Kit™ Series Insulated Containers consist of a 32 ECT corrugated carton (printed legend reads "up arrows" orientation with 'Rush' and 'Perishable'), 6 EPS panels (top and bottom plus 4 sides), with a poly bag liner.

Custom corrugated cartons and sizes can be made upon request. We can fit your existing corrugated carton, please call for more details.

| PART # | DIMENSIONS L x W x D | THICKNESS | CORRUGATE OUTSIDE DIMENSIONS L x W x D |
|--------|-----------------------------|-----------|---|
| RC209 | 9" x 7" x 10" | 1" | 11 1/8" x 9 1/8" x 12 3/16" |
| RC200 | 12" x 12" x 12" | 1" | 14" x 14" x 14" |
| RC261 | 20" x 13" x 13 1/2" | 1" | 22 3/8" x 15 7/16" x 15 1/16" |
| RC247 | 23 1/2" x 20 1/2" x 11 1/2" | 1 1/2" | 26 1/2" x 23 1/2" x 14 1/2" |

NEW LABELS



NEW LABELS AND NEW LOW COST.
Starting on page 44.
A MUST SEE IF YOU USE LABELS.



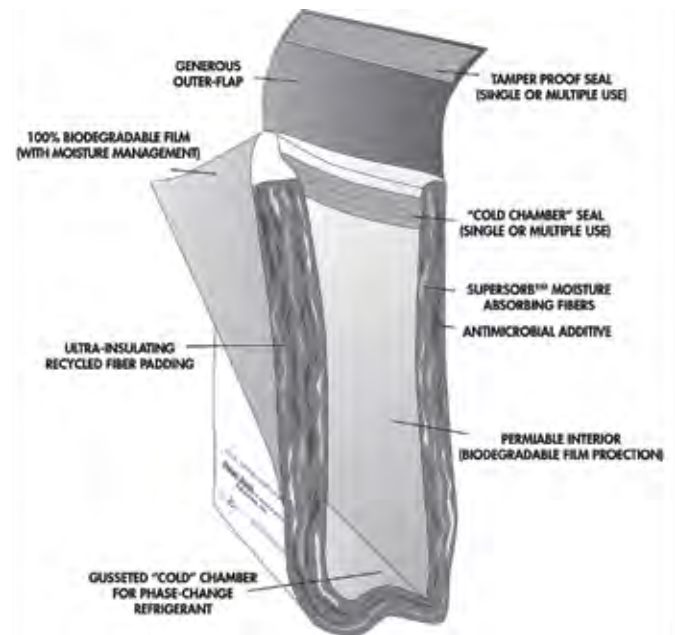
INSULATED BOX LINERS

THERM-O-CHILL™ COOL STUFF™ offers a variety of eco-friendly, certified biodegradable, thermal protective package liners and mailers. Insulated padding is a purified, recycled textile fiber, processed with super-absorbent fiber with an EPA-accepted antimicrobial additive for condensate and spill containment. Durable biodegradable film is used to enclose insulated padding. COOL STUFF™ thermal box liners and mailer safely protects temperature sensitive products, and simple to use.

Certified biodegradable as per ASTM 5511; ASTM 5D209-91; ASTM D5338.98

- User-friendly
- Superior-Insulating Protective Padding
- ASTM Certified Bio-Degradable

COOL STUFF™ BOX LINERS CAN BE CUSTOMIZED TO FIT ANY BOX OR CARTON SIZE.



Quickly convert any stock box into an effective biodegradable earth friendly thermal insulated shipper.

- Provides up to 4 days protection.
- Available in two thicknesses.
- Space saving Cool Stuff™ liners store flat.
- Biodegradable earth friendly materials.
- Use with ICE-BRIX® cold packs for up to 4 days shipping.

1" 2-4 DAY COOL STUFF™ BIODEGRADABLE INSULATED SHIPPER (ULTRA/MEDIUM DUTY) Add 2" for outside measurement on liner & stock box.

| PART # | INSIDE DIMENSIONS L x W x H | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|--------------------------------|----------------------|-----------------------|
| 167 | 4" x 4" x 4" | 10 | KD666 |
| 168 | 6" x 6" x 6" | 10 | KD888 |
| 169 | 8" x 6" x 4" | 10 | KD1086 |
| 177 | 8" x 8" x 8" | 5 | KD101010 |
| 178 | 10" x 8" x 8" | 5 | KD121010 |
| 179 | 12" x 12" x 12" | 5 | KD141414 |
| 183 | 20" x 14" x 14" | 4 | KD221616 |

½" 1-2 DAY COOL STUFF™ BIODEGRADABLE INSULATED SHIPPER (MEDIUM DUTY) Add 1" for outside measurement on liner & stock box.

| PART # | INSIDE DIMENSIONS L x W x H | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|--------------------------------|----------------------|-----------------------|
| 162 | 10" x 10" x 10" | 5 | KD111111 |
| 164 | 14" x 14" x 14" | 5 | KD151515 |
| 165 | 23" x 17" x 17" | 4 | KD241818 |

COOL STUFF™ BOX LINERS



INSULATED MAILERS

COOL STUFF™ MAILERS

EXTRA PROTECTION – SUPERIOR DUTY

EZ SIDE LOAD COOL STUFF™ MAILERS



FOR BOX PROTECTION USE SELF-SEAL BOXES ON PAGE 56.

Cool Stuff™ Mailers provide superior duty, longer term shipping, thermal safe protection for pharmaceuticals, specimens and other refrigerated or frozen products.

EZ SIDE LOAD opens on the long end for convenient product loading; holds more product.

- Biodegradable – Earth friendly
- 1" effective moisture and thermal barrier
- Dual self seal closure.
- 1" fiber insulation safely cushions and thermally protects contents.

| PART # | OUTSIDE DIMENSIONS W x L | THICKNESS | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|---|-----------|----------------------|-----------------------|
| | EZ SIDE LOAD COOL STUFF™ MAILERS | | | |
| 184 | 9" x 11" | 1" | 18 | KD10212SL |
| 185 | 12" x 14" | 1" | 18 | N/A |
| 186 | 14" x 18" | 1" | 12 | N/A |

COOL STUFF™ MAILERS

VALUE PERFORMANCE – INTERMEDIATE DUTY



EZ SIDE LOAD COOL STUFF™ MAILERS



Cool Stuff™ Mailers provide intermediate duty, longer term shipping, thermal safe protection for pharmaceuticals, specimens and other refrigerated or frozen products.

END LOAD opens on the short end for product loading.

EZ SIDE LOAD opens on the long end for convenient product loading; holds more product.

- Biodegradable – Earth friendly
- ½" effective moisture and thermal barrier
- Dual self seal closure, thermal effective and tamper resistant mailer.
- ½" fiber insulation safely cushions and thermally protects contents.

| PART # | OUTSIDE DIMENSIONS W x L | THICKNESS | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|---|-----------|----------------------|-----------------------|
| | END LOAD COOL STUFF™ MAILERS | | | |
| 187 | 9" x 11" | ½" | 18 | KD10212SL |
| 188 | 12" x 14" | ½" | 18 | N/A |
| 189 | 14" x 18" | ½" | 12 | N/A |
| | EZ SIDE LOAD COOL STUFF™ MAILERS | | | |
| 192 | 9" x 11" | ½" | 18 | KD10212SL |
| 193 | 12" x 14" | ½" | 18 | N/A |
| 194 | 14" x 18" | ½" | 12 | N/A |

INSULATED BOX LINERS AND MAILERS

Quickly convert any stock box into an economical reflective thermal insulated shipper.

- Provides overnight protection of pharmaceuticals, refrigerated items.
- Space saving liners stores flat (Light Duty).
- Leak resistant
- Use with ICE-BRIX® cold packs for extended shipping.



| PART # | INSIDE DIMENSIONS L x W x H | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|--------------------------------|----------------------|-----------------------|
| 123 | 8" x 6" x 5" | 50 | KD865 |
| 125 | 8" x 8" x 8" | 50 | KD888 |
| 126 | 10" x 10" x 10" | 50 | KD101010 |
| 127 | 12" x 10" x 9" | 50 | KD12109 |
| 129 | 12" x 12" x 12" | 50 | KD121212 |
| 139 | 14" x 12" x 12" | 50 | KD141212 |
| 156 | 16" x 16" x 16" | 50 | KD161616 |
| 157 | 24" x 18" x 18" | 50 | KD241818 |

COOL BARRIER BUBBLE



Reflective thermal protection for economical short term shipping of pharmaceuticals, specimens and other items.

- Effective moisture and reflective barrier
- 3/16" metalized laminated bubble cushions and protects contents.
- Use with ICE-BRIX® leak proof refrigerants for extended cold protection

| PART # | INSIDE DIMENSIONS W x L | QUANTITY PER CASE | USE WITH STOCK BOX |
|--------|----------------------------|----------------------|-----------------------|
| 114 | 6" x 6 1/2" | 100 | N/A |
| 115 | 6 1/2" x 10 1/2" | 100 | N/A |
| 116 | 8" x 11" | 100 | KD101212SL |
| 117 | 11" x 15" | 50 | KD11315SL |
| 121 | 12" x 17" | 50 | KD12317SL |
| 122 | 15" x 17" | 50 | N/A |

COOL BARRIER BUBBLE ECONOMY NEXT DAY



FOR BOX PROTECTION USE
SELF-SEAL BOXES ON PAGE 56.

TELL CARRIERS HOW TO HANDLE YOUR SHIPMENTS.

CAUTION & HANDLING LABELS, starting on page 44.

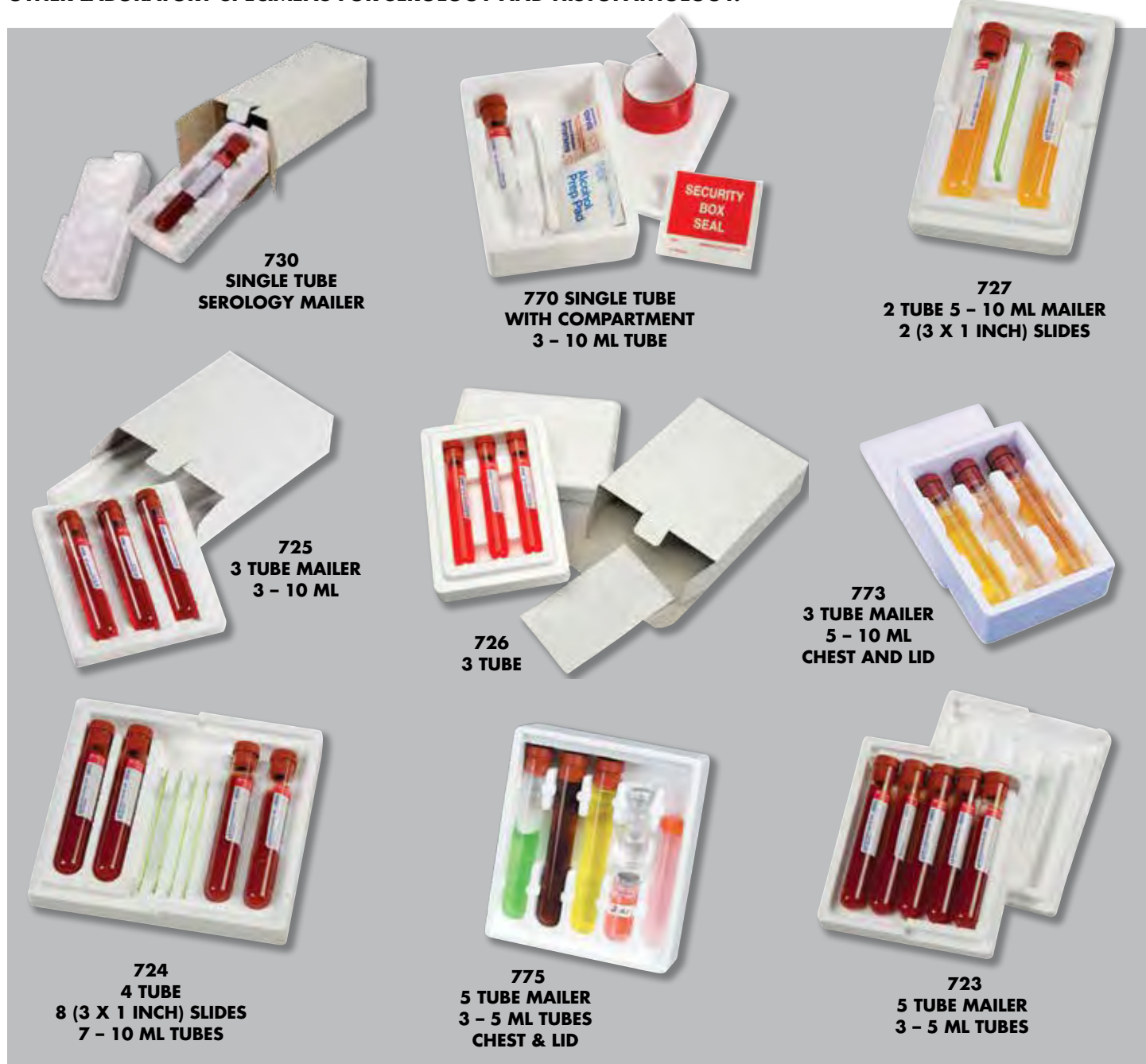


TAPE AND SEAL PACKAGES SECURELY
WITH ASSURANCE, see page 64-66.



LAB TUBE MAILERS

ECONOMICAL SHIPMENT OF BLOOD, SERUMS, CULTURES, URINE AND OTHER LABORATORY SPECIMENS FOR SEROLOGY AND HISTOPATHOLOGY.



730
SINGLE TUBE
SEROLOGY MAILER

770 SINGLE TUBE
WITH COMPARTMENT
3 - 10 ML TUBE

727
2 TUBE 5 - 10 ML MAILER
2 (3 X 1 INCH) SLIDES

725
3 TUBE MAILER
3 - 10 ML

726
3 TUBE

773
3 TUBE MAILER
5 - 10 ML
CHEST AND LID

724
4 TUBE
8 (3 X 1 INCH) SLIDES
7 - 10 ML TUBES

775
5 TUBE MAILER
3 - 5 ML TUBES
CHEST & LID

723
5 TUBE MAILER
3 - 5 ML TUBES

NEW



729
10 (3 X 1 INCH) SLIDES

LAB TUBE MAILERS

- Maximum protective packaging from collection tube breakage for known non-hazardous blood, specimens, tissues and serums
- Many economical choices available, single tube - multi-tube, slides and tube/slide combinations
- Easily accommodates most collection tubes for transport, including Vacu Tainer®
Note: Trademark of Becton Dickinson
- Outer Fiberboard mailers in stock
- Glue dots®, keeps tubes in place during shipping and unpacking
- Reusable and recyclable



LAB TUBE MAILERS

| LAB TUBE PART # | HOLDS TUBES | HOLDS SLIDES | TUBE VOLUME | TUBE DIMENSIONS | TUBE CAVITY DIMENSIONS | MAILER BOX PART # |
|-----------------|-------------|--------------|----------------|--|------------------------|-------------------|
| 730 | 1 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 110 x 16 mm | 90 |
| 770 | 1 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm w/compartment | 110 x 16 mm | 89 |
| 727 | 2 | 2 | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 107 x 16 mm | 89 |
| 725 | 3 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 105 x 17 mm | 88 |
| 773 | 3 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 108 x 17 mm | 89 |
| 726 | 3 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 113 x 18 mm | 89 |
| 724 | 4 | 8 | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 100 mm | 105 x 19 mm | 92 |
| 723 | 5 | N/A | 3, 5 ml | Diameter: 10.25 - 13 mm Length: 75 to 103 mm | 106 x 13 mm | 88 |
| 775 | 5 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 108 x 17 mm | 88 |
| 765 | 5 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 150 mm | 170 x 16 mm | 93 |
| 721 | 8 | 8 | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 113 x 18 mm | 94 |
| 722 | 8 | N/A | 3, 5, 7, 10 ml | Diameter: 10.25 - 16 mm Length: 75 to 103 mm | 113 x 18 mm | 95 |
| 729 | N/A | 10 | N/A | N/A | N/A | — |

DIAGNOSTIC TUBE MAILERS

DIAGNOSTIC SPECIMEN TUBE MAILING/SHIPPING SYSTEM



Diagnostic specimen accessory mailing kits combination triple outer packaging, kits have been tested and certified to meet the material construction and test performance requirements for the transport of diagnostic specimens. Complies with IATA packing instruction 650, U.S. Postal Service and DOT. No receptacle specimen tubes included.

- Accessory kits include leakproof EPS foam mailer (base and lid), absorbent material, waterproof tape, leak tight zipper lock poly bag, corrugated shipping carton and instruction sheets.
- Two stock models; 3 tube and 8 tube protective mailer/shippers (no tubes included) isolates and secures furnished (95 kPa) certified specimen tube.
- Sufficient absorbent material for complete absorption of liquid contents in the primary receptacle tubes when filled with blood.
- Foam tube mailers/shippers and packaging accessory components are available for customer/distributors, furnishing certified primary receptacle tubes.



DIAGNOSTIC SPECIMEN KITS (NO TUBES)

| PART # | HOLDS | KIT INCLUDES | OUTSIDE DIMENSIONS L x W x D (INCHES) | QTY PER CASE |
|---------|----------------------|---|--|-----------------|
| 726DIAG | Three 7-10 mil tubes | Foam mailer, absorbent material, waterproof tape, corrugated shipping carton, zipper lock poly bag and instruction sheets | 5½" x 4" x 2" | 33 |
| 722DIAG | Eight 7-10 mil tubes | Foam mailer, absorbent material, waterproof tape, corrugated shipping carton, zipper lock poly bag and instruction sheets | 10½" x 5½" x 3" | 50 |

SPECIALIZED LAB MAILERS



| PART # | HOLDS | CAVITY DIMENSIONS (INCHES) | BOX PART # |
|--------|---|---|------------|
| 701 | Six 5 – 30ml vials | Six 1 $\frac{5}{8}$ " dia. x 2 $\frac{1}{4}$ " ht. | 80 |
| 778 | Specimens, vials, swabs, tubes | 5 $\frac{7}{8}$ " x 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " | 778KD |
| 763 | Mil Spec Lab Mailer: Cans, screw-cap, vials, swabs, tubes, air filter cartridge, syringes | 10" x 2 $\frac{3}{4}$ " x 2 $\frac{3}{4}$ " | 81 |
| 702 | 2 oz. | 4" x 1 $\frac{1}{2}$ " x 4" | 700 |
| 704 | 4 oz. bottle or French square bottle | 5 $\frac{1}{4}$ " x 2" x 2 $\frac{1}{4}$ " | 705KD |
| 718 | 1 or 2 petri dishes | 4" x 1 $\frac{1}{2}$ " x 4" | 82 |
| 767 | 14 standard petri dishes | 8 $\frac{3}{4}$ " x 3 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ " | 83 |
| 201 | Vials, tubes, small bottles, cups, tissue flasks. Optional foam pads. | 6" x 4 $\frac{1}{2}$ " x 3" | 290 |
| 728 | Expand-Em Bio Mailer | 4" x 3 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ " | 84 |
| 733 | Expand-Em Bio Mailer 100 ml sample containers, 4 oz. urine cup | 4" x 3 $\frac{1}{2}$ " x 2 $\frac{5}{8}$ " | 98 |
| 734 | Expand-Em Bio Mailer Vials, tubes, small bottles, cups, tissue flasks. Optional foam pads. | 4" x 3 $\frac{1}{2}$ " x 4" | 99 |
| 211 | Tubes, vials, ampules, collection bottles | 6 $\frac{1}{2}$ " Dia. x 4" | 211KD |
| 727 | Contact lenses or 5 – 10 vials | $\frac{7}{8}$ " Dia. x 3" | 87 |
| 706 | NEW Collection canister, urine cup | 5 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ " | 706KD |
| 719 | NEW Mil Spec Mailer | 8" x 2 $\frac{1}{4}$ " x 1 $\frac{7}{8}$ " | 86 |

SPECIALIZED LAB MAILERS

- Maximum breakage protection packaging for non-hazardous laboratory specimens. Ideal for biological, research, environmental, and public health laboratories.
- Accommodates specialize lab containers and many collection bottles, vials, petri dishes and cans
- Glue dots[®], keeps lab sample containers in position
- Reusable and recyclable

LAB MAILER INSERTS AND MAILERS

CUSHION AND CUSTOMIZE YOUR PRODUCT TO MEET YOUR LABORATORY NEEDS.

211C – Bio-specimen mailer/shipper – Safely packs over 40 specimen tubes, petri dishes, vials or ampules and assorted swabs, with space for ICE-BRIX® refrigerant. 1 in" thick walls, assuring long temperature retention. Comes in an assembled 200# test corrugated box. ICE-BRIX® controls the interior temperature during transit.

201F – Compact Mailer – Foam container ships frozen or dry iced products comfortably for several days. Features include a chest style base with lid. Packs small bottles, vials and tubes. Small products are easy to pack and unpack safely. 1" thick foam walls shipper/mailler. Product 201C is the compact foam mailer unit in an assembled 200# test corrugated box.

290 KD – White Mailer Sleeve – Fits 201F.

207 WIC – 40ml Vial shipper – 1½" protective EPS foam insulated shipper – Secures up to 12 with a 28mm diameter. Includes re-useable polyethylene insert and one 24oz. ICE-BRIX® refrigerant pack to maintain sample temperatures. Vial shipper comes assembled in a 200# corrugated box.

201 VIC - Temperature Controlled (4) four tube mailer – One (1) inch protective foam insulated shipper includes a polyethylene (4) four cavity specimen tube insert. Holds (3-10ml) tubes, cavity size 105mm x 17mm. One each 8 oz. ICE-BRIX® refrigerant pack to control and stabilize specimen temperatures. Unit also includes an absorbent pad with a 2 mil thick polyethylene bag and twist tie closure. 200# test corrugated box included.

201 IE – Tube / Vial insert pad

201 GPP – General purpose convoluted foam pad

201 ETP – Eye Tissue insert pad

207 IE – 40ml (12 cavity) insert pad

[Inquire about other custom insert pads...](#)

STURDY FIBERBOARD AND CORRUGATED MAILERS

Sturdy white paperboard mailer boxes enhance the protective effectiveness of the foam tube mailers. All paperboard mailers are plain. Available upon request, custom print with lab name, address, postal permit number and any other handling message.

| MAILER BOX PART # | FITS FOAM PART # | BOXES PER CASE |
|-------------------|---|----------------|
| 90 | 730 (1 tube) | 300 |
| 89 | 727 (2 tubes) | 300 |
| 88 | 725 (3, 1 tubes) | 250 |
| 91 | 726 (3, 1 tubes, deep) | 300 |
| 92 | 724 (4 tubes) | 200 |
| 93 | 723 (5 tubes) | 200 |
| 94 | 721 (8 tubes) | 200 |
| 290 | 201 (Compact lab mailer) 6 17/32" x 5 1/32" x 8 1/8" | 125 |
| 700 | 2 oz. Boston round mailer | 200 |
| 86 | 719 (Mil spec mailer) | 250 |



ICE BATH/CARRYING STRAP/SPECIMEN TRANSPORT BAGS

This durable Thermo Chill® insulated utility container is manufactured to be tough and built to last. This double-wall, ultra high impact, polyethelene container is insulated with thick polyurethane foam assuring maximum cold retention.

- Dry ice or wet ice – storage systems
- Packaging station storage systems
- Laboratory testing chamber
- Cryogenic application systems

| FOAM ONLY | FOAM/CARTON | INSIDE DIMENSIONS L x W x D (INCHES) |
|-----------|-------------|--------------------------------------|
| 260F | 260C | 19 1/2" x 11 1/2" x 4 1/8" |

ECONOMICAL ICE BATH



Carrying straps are ideal for transporting containers.

- Durable nylon straps are adjustable with a nylon clip closure
- Carry 2 insulated carriers using one strap
- Comfortable hand straps

| PART # | DESCRIPTION |
|----------|---|
| 306 | Strap only |
| 260 KIT | Strap and 2 each #260F 1 1/2" thick foam containers inside dimension 19 1/2" x 11 1/2" x 4 1/8" |
| ON55 KIT | Strap and 2 each #ON55 3/4" thick foam containers inside dimension 20 1/2" x 12 1/2" x 5 1/8" |

CARRYING STRAPS



OSHA standard biohazard transport specimen bags with separate pocket for related paperwork. This pocket provides protection from leakage of contents to paperwork and personnel simultaneously. These bags are available with or without print. Available bag closures include a zipper for repeated access or a hot-melt peel away strip.

PRINTED BAGS WITH BIOHAZARD LOGO

| PART # | SPECIMEN BAGS | SIZE W x L | WT. PER 1M |
|--------|-------------------------------------|------------|------------|
| 533 | 2 Mil with pocket zipper | 6" x 6" | 14.3 lbs. |
| 536 | 2 Mil with hot-melt peel away strip | 6" x 9" | 12.2 lbs. |
| 534 | 2 Mil with pocket zipper | 6" x 9" | 15.6 lbs. |
| 535 | 2 Mil with pocket zipper | 8" x 10" | 20.8 lbs. |

PLAIN BAGS NO PRINTING (NOT SHOWN)

| PART # | SPECIMEN BAGS | SIZE W x L | WT. PER 1M |
|--------|--------------------------|------------|------------|
| 538 | 2 Mil with pocket zipper | 6" x 6" | 14.3 lbs. |
| 539 | 2 Mil with pocket zipper | 6" x 9" | 15.6 lbs. |
| 540 | 2 Mil with pocket zipper | 8" x 10" | 20.8 lbs. |

LOC-TOP SPECIMEN TRANSPORT BAGS



CAN SHIPPERS (NON-HAZARDOUS LIQUIDS)



**1031 QUART
FOAM CAN CAP**



**1029 GALLON
FOAM CAN CAP**

CAN SHIPPERS

Can Foam Caps are ideal to prevent shock and impact damage when shipping canned items. Fits large #10 or gallon cans, also the new convenient #2 shippers.

- Drop safe
- Safe shipment of fragile containers
- Great presentation

BOXES - 275#/ECT-44

| PART # | INSIDE DIMENSIONS L x W x H | DESCRIPTION | QTY BUNDLE /BALE | WEIGHT BUNDLE |
|----------|--------------------------------|-------------------------|------------------------|------------------|
| KD1013PL | 5 3/8" x 5 3/8" x 6 3/8" | 1 qt./plain up arrow | 25/375 | 21 lbs. |
| KD1014PL | 10 3/4" x 5 3/8" x 6 3/8" | 2-1 qt./plain up arrow | 25/375 | 31 lbs. |
| KD1015PL | 10 5/8" x 10 3/8" x 6 3/8" | 4-1 qt./plain up arrow | 25/750 | 19 lbs. |
| KD1016PL | 8 1/8" x 8 1/8" x 10 1/8" | 1 gal./plain up arrow | 25/750 | 17 lbs. |
| KD1017PL | 17 1/8" x 8 1/8" x 10 1/8" | 2-1 gal./plain up arrow | 25/500 | 25 lbs. |
| KD1018PL | 17 1/8" x 17 1/8" x 10 1/8" | 4-1 gal./plain up arrow | 25/250 | 47 lbs. |

FOAM CAN CAP

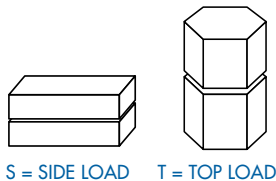
| PART # | DESCRIPTION | QUANTITY PER BUNDLE |
|--------|----------------|------------------------|
| 1031 | 1 Quart Round | 125 SETS |
| 1029 | 1 Gallon Round | 50 SETS |

BOTTLE SHIPPERS (NON-HAZARDOUS LIQUIDS)



Shipper is responsible for selecting appropriate packaging for use with contents. Consult appropriate regulations.

Polar Tech's complete protective bottle selection totally encapsulates bottles and contents for maximum protection during the shipping cycle.



SAFEMATE™ SERIES BOTTLE SHIPPERS

- Economical EPS foam shippers for non-hazardous liquids
- Maximum protection from breakage, excellent shock absorbency, holds bottles secure during shipping
- Two piece molded construction with interlock seams, fit top and bottom sections for a tight seal and tape together in the pre-formed tape grooves.
- Laboratory tested and accepted for use by UPS and common carriers
- Full selection accommodates most all styles of bottles
- Reusable and recyclable

| PART # | TOP / SIDE | BOTTLE SIZE (OUNCES) | VOLUME |
|--------|------------|-------------------------------|--------------|
| 702 | S | 2 oz. | 60 ml |
| 704 | S | 4 oz. | 125 ml |
| 708 | T/S | 1/2 Pint (8 oz.) | 250 ml |
| 716 | T/S | 0.5 Liter (16.9 oz.) | 500 ml |
| 732 | T/S | Quart (32 oz.) | 1,000 ml |
| 733 | T | Liter (33.8 oz.) | 1,000 ml |
| 780 | T | 2.5 Liter (84 oz.) | 2,500 ml |
| 784 | T | 2.5 Liter - 4 pack (84 oz.) | 4 x 2,500 ml |
| 790 | T | Gallon (128 oz.) | 3,785 ml |
| 792 | T | Pharmaceutical Gallon | 128 oz. |
| 761 | T | 0.5 Liter - 6 pack (16.9 oz.) | 6 x 500 ml |
| NS7 | T | 5 Gallon bucket | N/A |

CAN SHIPPERS (HAZARDOUS LIQUIDS)

HAZARDOUS MATERIALS PAINT CAN FOAM SHIPPER KITS



EVERYTHING YOU NEED IN A CONVENIENT KIT!

- UN/USA D.O.T. APPROVED CONTAINERS
- Accepted and recommended by major freight carriers
- Includes: pre-assembled carton, paint can with lid, foam inserts and a locking ring

In accordance with CFR 49 178.601B shipper is responsible for choosing the correct packaging for product and for final closure. CONSULT APPROPRIATE REGULATIONS.

| PART # | INSIDE DIMENSIONS L x W x D (INCHES) | HOLDS | MATERIAL | UN NUMBER | QTY PER CASE |
|---------|---|-----------------------|-------------|------------|--------------|
| HAZ1036 | 5 3/8" x 5 3/8" x 6 3/8" | 1-1 Quart Paint Can | 275#/ECT-44 | 4G/Y1.8/S | 48 |
| HAZ1037 | 10 3/4" x 5 3/8" x 6 3/8" | 2-1 Quart Paint Cans | 275#/ECT-44 | 4G/Y3.5/S | 24 |
| HAZ1038 | 10 3/8" x 10 3/8" x 6 3/8" | 4-1 Quart Paint Cans | 275#/ECT-44 | 4G/Y7/S | 12 |
| HAZ1039 | 8 1/8" x 8 1/8" x 10 1/8" | 1-1 Gallon Paint Can | 275#/ECT-44 | 4G/Y6.8/S | 32 |
| HAZ1040 | 17 1/8" x 8 1/8" x 10 1/8" | 2-1 Gallon Paint Cans | 275#/ECT-44 | 4G/Y13.4/S | 6 |
| HAZ1041 | 17 1/8" x 17 1/8" x 10 1/8" | 4-1 Gallon Paint Cans | 275#/ECT-44 | 4G/Y26.8/S | 3 |

HAZARDOUS MATERIALS F-STYLE CAN FOAM SHIPPER KITS



THE INDUSTRY STANDARD FOR SHIPPING SOLVENTS, THINNERS AND PAINTS!

- UN/USA D.O.T. APPROVED CONTAINERS
- Accepted by domestic and international carriers
- Includes: pre-assembled carton, F-style can with cap and foam inserts

In accordance with CFR 49 178.601B shipper is responsible for choosing the correct packaging for product and for final closure. CONSULT APPROPRIATE REGULATIONS.

| PART # | INSIDE DIMENSIONS L x W x D (INCHES) | HOLDS | MATERIAL | UN NUMBER | QTY PER CASE |
|---------|---|-------------------------|-------------|------------|--------------|
| HAZ1042 | 8 5/8" x 5 13/16" x 12 3/8" | 1-1 Gallon F-Style Can | 275#/ECT-44 | 4G/Y6.7/S | 32 |
| HAZ1043 | 11 5/8" x 8 5/16" x 12 3/8" | 2-1 Gallon F-Style Cans | 275#/ECT-44 | 4G/Y13.3/S | 16 |
| HAZ1044 | 16 1/8" x 11 7/16" x 12 3/8" | 4-1 Gallon F-Style Cans | 275#/ECT-44 | 4G/Y26.5/S | 8 |

CAN SHIPPERS (HAZARDOUS LIQUIDS)

BULK SUPPLIES FOR FOAM SHIPPER KITS

- Convenient bulk purchases
- Save space
- Store compact and flat
- Maximum protective packaging

BULK SHIPPING BOXES – MATERIAL 275#/ECT-44

| PART # | INSIDE DIMENSIONS L x W x D (INCHES) | HOLDS | UN NUMBER | BUNDLE QTY |
|---------|--|--------------------------|--------------|---------------|
| HAZ1013 | 5 ³ / ₈ " x 5 ³ / ₈ " x 6 ³ / ₈ " | 1 -1 Quart Paint Can | 4G/Y1.8/S | 25 |
| HAZ1014 | 10 ³ / ₄ " x 5 ³ / ₈ " x 6 ³ / ₈ " | 2 -1 Quart Paint Cans | 4G/Y3.5/S | 25 |
| HAZ1015 | 10 ⁵ / ₈ " x 10 ³ / ₈ " x 6 ³ / ₈ " | 4 -1 Quart Paint Cans | 4G/Y7/S | 25 |
| HAZ1016 | 8 ¹ / ₈ " x 8 ¹ / ₈ " x 10 ¹ / ₈ " | 1 -1 Gallon Paint Can | 4G/Y6.8/S | 25 |
| HAZ1017 | 17 ¹ / ₈ " x 8 ¹ / ₈ " x 10 ¹ / ₈ " | 2 -1 Gallon Paint Cans | 4G/Y13.4/S | 25 |
| HAZ1018 | 17 ¹ / ₁₆ " x 17 ¹ / ₁₆ " x 10 ¹ / ₈ " | 4 -1 Gallon Paint Cans | 4G/Y26.8/S | 10 |
| HAZ1019 | 8 ⁵ / ₁₆ " x 5 ¹³ / ₁₆ " x 12 ³ / ₈ " | 1 -1 Gallon F-Style Can | 4G/Y6.7/S | 20 |
| HAZ1020 | 11 ⁵ / ₈ " x 8 ⁵ / ₁₆ " x 12 ³ / ₈ " | 2 -1 Gallon F-Style Cans | 4G/Y13.3/S | 20 |
| HAZ1021 | 16 ¹ / ₈ " x 11 ⁷ / ₁₆ " x 12 ³ / ₈ " | 4 -1 Gallon F-Style Cans | 4G/Y26.5/S | 10 |

HAZARDOUS MATERIALS BULK SUPPLIES FOR FOAM SHIPPER KITS



BULK PAINT CANS

| PART # | SIZE | STYLE | QTY PER CASE |
|---------|----------|-------------|-----------------|
| HAZ1025 | 1 Quart | Paint Can | 36 |
| HAZ1026 | 1 Gallon | Paint Can | 36 |
| HAZ1027 | 1 Gallon | F-Style Can | 40 |

BULK FOAM INSERTS

| PART # | SIZE | STYLE | QTY PER CASE |
|---------|----------|-------------|-----------------|
| HAZ1031 | 1 Quart | Paint Can | 125 SETS |
| HAZ1029 | 1 Gallon | Paint Can | 50 SETS |
| HAZ1030 | 1 Gallon | F-Style Can | 80 SETS |

BULK LOCKING RINGS

| PART # | SIZE | STYLE | QTY PER CASE |
|---------|----------|-----------|-----------------|
| HAZ1034 | 1 Quart | Paint Can | 100 |
| HAZ1035 | 1 Gallon | Paint Can | 100 |

CANS, INSERTS AND RINGS



BOTTLE SHIPPERS (HAZARDOUS LIQUIDS)



The shipper is ultimately responsible for determining the suitability of packaging for use with contents. Consult appropriate regulations.

- Packaging instructions are printed on the carton.
- Amber glass bottles with Teflon lined screw caps.
- Bottles in Kit 761UN are safety coated.
- **Polar Tech's complete protective bottle selection totally encapsulates bottles and contents for maximum protection during the shipping cycle.**
- Kits do not include poly bags, twist ties or absorbents.



Poly bags, twist ties or absorbents are also available. These are not required for UN compliance.

SAFEWAY™ SERIES UN & DOT COMPLIANCE BOTTLE SHIPPERS

- Certified to meet United Nations and Dept. of Transportation requirements for shipping and transporting dangerous liquids. (excluding class 6.2 infectious substance and class 7 radioactive materials)
- Comes complete, Pre-assembled certified packaging all components included for shipping hazardous materials.
- Certified bottle shippers include EPS foam bottle over packs, heavy duty corrugated shipping cartons and glass bottles with Teflon® lined screw caps. Packaging instructions are printed on the carton..
- In compliance with UN/D.O.T. regulations governing shipments of hazardous materials in these certified approved bottle shippers is contingent on the use of all supplied components.

| PART # | BOTTLE SIZE | VOLUME | | PKG GROUP | SPECIFIC GRAVITY | UN NUMBER | APPROX. OUTSIDE DIMENSIONS |
|--------|-------------|----------|-----------|-----------|------------------|------------|-----------------------------|
| | | OUNCES | ML | | | | |
| 716UN | 0.5 Liter | 16.9 | 500 | I | 2.0 | 4G/X1.4/S | 5 1/2" x 5 3/8" x 11 3/4" |
| 732UN | Quart | 32 | 0.95 | I | 2.0 | 4G/X2.6/S | 6 1/4" x 6 1/8" x 12 1/2" |
| 733UN | Liter | 33.8 | 1,000 | I | 2.0 | 4G/X2.8/S | 6 1/4" x 6 1/8" x 12 1/2" |
| 780UN | 2.5 Liter | 84 | 2,500 | I | 2.0 | 4G/X6.6/S | 7 7/8" x 7 7/8" x 16 1/8" |
| 784UN | 2.5 Liter | 4 x 84 | 4 x 2,500 | I | 1.8 | 4G/X23.5/S | 14 3/8" x 14 1/4" x 15 1/2" |
| 790UN | Gallon | 128 | 3,785 | I | 2.0 | 4G/X9.7/S | 10 5/8" x 10 1/2" x 18" |
| 792UN | 4 Liter | 135.3 | 4,000 | I | 2.0 | 4G/X10.2/S | 10 5/8" x 10 1/2" x 18" |
| 761UN* | Liter | 6 x 33.8 | 6 x 1,000 | II | 1.0 | 4G/Y11.2/S | 14 1/4" x 10" x 11 3/8" |

* Bottles in Kit 761UN are safety coated.

CATEGORY A INFECTIOUS SUBSTANCES

CATEGORY A INFECTIOUS SUBSTANCES

Packaging for Category A infectious substances must be certified by an independent laboratory as meeting the applicable triple packaging regulations of IATA (for air shipments) and DOT (for domestic ground shipments). In general, the required triple packaging includes: leak-proof 95 kPa primary receptacle(s); leak-proof 95 kPa (14psi) secondary packaging; absorbent material of sufficient quantity to absorb the entire contents of the primary receptacle(s); an itemized list of contents; and a properly labeled shipping carton.

NOTE: The Model shown on this page is the most popular. If this Model does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS

**PART # AF12
CATEGORY A INFECTIOUS
SUBSTANCE – FROZEN**



Thermo Chill® Durable Nylon Medical Transport Bag with removable inner partition are convenient for on-site collection and transport of specimens, blood, medications and other temperature sensitive items.

- Washable and easy to clean
- 2 compartment, with removable partition
- Zipper lock closure
- Printed with standard biohazard symbol
- Net mesh lid compartment for papers or use with ICE-BRIX® cold pack

| PART # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D |
|--------|--------------------------------|---------------------------------|
| 1700 | 10 ¼" x 7 ¼" x 8" | 10 ¾" x 7 ¾" x 8 ½" |

MEDICAL TRANSPORT BAG



CATEGORY B BIOLOGICAL SUBSTANCES

CATEGORY B BIOLOGICAL SUBSTANCES

Packaging for substances in this Category must meet the triple packaging regulations of IATA (for air shipments) and DOT (for domestic ground shipments). In general, the required triple packaging includes: leak-proof primary receptacle(s); leak-proof 95 kPa (14psi) secondary packaging; absorbent material of sufficient quantity to absorb the entire contents of the primary receptacle(s); and a properly labeled outer shipping carton.

Polar Tech offers a broad diversity of complete packaging systems (Models) all of which meet the most stringent regulatory requirements for shipping Category B biological substances. Each Model will protect your specimen from damage during shipment and will maintain the required temperature for any specimen which is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



Part # BA06 AMBIENT



Part # BA12 AMBIENT



Part # BC06 and BC12 COLD



Part # BF06 and BF12 FROZEN

| PART # | COMPLETE D-PAK PACKAGE CONSISTS OF: | CAN SHIP UP TO... (NOT INCLUDED) | TYPE |
|--------|--|---|------------------|
| BA06 | 4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) One Flexible Inner Packaging Packet | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | AMBIENT D-PAK |
| BA12 | 9" x 4" x 4" Corrugated Box (no insulation) Two Flexible Inner Packaging Packets | 12 vials measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | AMBIENT D-PAK |
| BC06 | 7" x 7" x 9" Outer Package One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | COLD D-PAK |
| BC12 | 7" x 7" x 13 1/2" Outer Package Two Flexible Inner Packaging Packets Four cold gel packs (8oz) are recommended for this package but are purchased separately. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | COLD D-PAK |
| BF06 | 7" x 7" x 15 1/2" Outer Package One Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN D-PAK |
| BF12 | 7" x 7" x 18 1/2" Outer Package Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN D-PAK |

EXEMPT HUMAN SPECIMEN

EXEMPT HUMAN SPECIMEN

If there is a minimal likelihood that active pathogens are present in a specimen, that specimen can be shipped as an Exempt Human Specimen and the regulations applicable to infectious substance shipments are not applicable. Examples of routine tests that are considered exempt are: blood or urine tests for drugs, alcohol, cholesterol levels, glucose levels, hormone levels and/or prostate specific antigens; tests to monitor organ functions; therapeutic drug monitoring tests; pregnancy tests; and biopsies for cancer.

Polar Tech offers many Exempt Human shipping Models all of which will protect your specimen from damage during shipment and will maintain the required temperature for any specimen that is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



Part # BA06 AMBIENT



Part # BA12 AMBIENT



Part # BC06 and BC12 COLD



Part # BF06 and BF12 FROZEN

| PART # | COMPLETE DX-PAK PACKAGE CONSISTS OF: | CAN SHIP UP TO... (NOT INCLUDED) | TYPE |
|--------|---|---|-----------------------------|
| EHA06 | 4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | AMBIENT DX-PAK EXEMPT |
| EHA12 | 9" x 4" x 4" Corrugated Box (no insulation) labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | AMBIENT DX-PAK EXEMPT |
| EHC06 | 7" x 7" x 9" Outer Package labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | COLD DX-PAK EXEMPT |
| EHC12 | 7" x 7" x 13 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN Two Flexible Inner Packaging Packet Four cold gel packs (8oz) are recommended for this package but are purchased separately. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | COLD DX-PAK EXEMPT |
| EHF06 | 7" x 7" x 15 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN One Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN DX-PAK EXEMPT |
| EHF12 | 7" x 7" x 18 1/2" Outer Package labeled with EXEMPT HUMAN SPECIMEN Two Flexible Inner Packaging Packet After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN DX-PAK EXEMPT |

EXEMPT ANIMAL SPECIMEN

EXEMPT ANIMAL SPECIMEN



Part # BA06 AMBIENT

There is a minimal likelihood that active pathogens are present in a specimen, that specimen can be shipped as an Exempt Animal Specimen and the regulations applicable to infectious substance shipments are not applicable. Examples of routine tests that are considered exempt are: blood tests for hormone levels; most urine tests; tests to monitor organ functions; therapeutic drug monitoring tests; pregnancy tests; and biopsies for cancer.

Polar Tech offers many Exempt Animal shipping Models all of which will protect your specimen from damage during shipment and will maintain the required temperature for any specimen that is temperature sensitive.

Select the Model (Ambient, Cool or Frozen) that meets your size and temperature requirements.

NOTE: The Models shown on this page are the most popular. If one of these Models does not meet your criteria, contact us for information about other available Models.

LEAD TIME 3-5 BUSINESS DAYS



Part # BA12 AMBIENT



Part # BC06 and BC12 COLD



Part # BF06 and BF12 FROZEN

| PART # | COMPLETE DX-PAK PACKAGE CONSISTS OF: | CAN SHIP UP TO... (NOT INCLUDED) | TYPE |
|--------|---|---|-----------------------------|
| EAA06 | 4 1/2" x 2 1/2" x 6 3/4" Corrugated Box (no insulation) labeled with EXEMPT ANIMAL SPECIMEN One Flexible Inner Packaging Packet | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | AMBIENT DX-PAK EXEMPT |
| EAC06 | 7" x 7" x 9" Outer Package labeled with EXEMPT ANIMAL SPECIMEN One Flexible Inner Packaging Packet Two cold gel packs (8oz) are recommended for this package but are purchased separately. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | COLD DX-PAK EXEMPT |
| EAC12 | 7" x 7" x 13 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets Four cold gel packs (8oz) are recommended for this package but are purchased separately. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | COLD DX-PAK EXEMPT |
| EAF06 | 7" x 7" x 15 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 7.5 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 6 items measuring up to 16 x 125 mm each OR 3 items measuring up to 1 1/4" D x 6" L OR 2 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN DX-PAK EXEMPT |
| EAF12 | 7" x 7" x 18 1/2" Outer Package labeled with EXEMPT ANIMAL SPECIMEN Two Flexible Inner Packaging Packets After inserting the inner packaging packets, the box cavity must be completely filled with Dry Ice. Approximately 10 lbs. of PELLETIZED Dry Ice is required to fill this package cavity, but is NOT included. | 12 items measuring up to 16 x 125 mm each OR 6 items measuring up to 1 1/4" D x 6" L OR 4 items measuring up to 2 1/4" D x 2 3/4" L | FROZEN DX-PAK EXEMPT |

ECONOMICAL PALLET COVERS



INSULATED PALLET COVER (PCEB) – LIGHT DUTY

Cover pallet of perishables for short term freight shipments with reflective thermal protection. Extend shipping to medium term with ICE-BRIX® saddle bag or Cold Pocket cold pack system, with a curtain of cold™ to uniformly extent perishable products for additional 24 hours or more. Secure with tape or stretch film.

- Effective reflective barrier
- 3/16" metalized bubble
- Reuseable

ECONOMICAL PALLET COVER (PCEL) – LIGHT MEDIUM DUTY

Provides short term thermal protection for pallets of perishables. Light medium duty pallet covers are constructed from metalized film laminated to polyethylene foam. Features a large document pocket and easily covers top and sides of pallet. Secure with clear tape or stretch film.

For an additional 24 hour shipping use ICE-BRIX® saddle bag cold wrap or Cold Pocket™ system to apply a curtain of cold™ to the pallet of perishables.

- Reflective Insulation
- Moisture barrier
- Document pocket
- Cost effective
- Reusable



RUBBER BANDS (3 SIZES AVAILABLE)

| PART # | DIMENSIONS | QTY/PER BAG |
|--------|------------|-------------|
| 1301 | 3/4" x 72" | 1 |
| 1401 | 3/4" x 84" | 1 |
| 1501 | 3/4" x 92" | 1 |

ECONOMICAL PALLET COVERS

| NEW PART # | SIZE L x W x H | COLOR | QTY |
|------------|---------------------------------------|--------|------|
| PCEB | 48" x 40" x 48" (Light weight) | Silver | Each |
| PCEL | 50" x 42" x 49" (Light Medium weight) | Silver | Each |

INSULATED PALLET COVERS

MEDIUM AND HEAVY DUTY PALLET COVERS



TEST AND COMPARE

- Ultimate in temperature uniform stability
- Refrigerant Saddle Bags controls the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days
- Reusable
- Recyclable



DUFFLE BAG

GORT INSULATED PALLET COVERS

Insulated Pallet Cover Systems — Light, Medium, Heavy Duty Choices. ICE-BRIX® Saddle Bag and/or Cold Pocket™ refrigerant/frozen systems fully wrap and enclose your perishables with a curtain of cold™. Unless you completely cover your product, the only thing keeping your product cold... is the product itself.

MEDIUM DUTY INSULATED PALLET COVERS

| PART # | SIZE L x W x H | COLORS |
|--------|---------------------------------|--------|
| PCM33 | 42" x 50" x 33" | Red |
| PCM48 | 42" x 50" x 48" | Red |
| PCM72 | 42" x 50" x 48-72" (Adjustable) | Red |

HEAVY DUTY PALLET COVER

| PART # | SIZE L x W x H | COLORS |
|--------|-----------------|--------|
| PCH | 42" x 50" x 48" | Grey |

OPTIONAL PALLET COVER SYSTEM COMPONENTS

| PART # | DESCRIPTION |
|--------------------|--|
| BC.60 – BC.130 | Barrier pallet bag |
| BC.60 – BC.130 | Barrier pallet cover |
| SB24 | ICE-BRIX® Saddle Bag refrigerant |
| CP12 | Cold Pocket Saddle wrap (refrigerant packs or dry ice) |
| 1300 | Insulated bottom pallet pad NOT IN STOCK* |
| 1301 – 1401 – 1501 | Large pallet rubber band – hold refrigerant wrap in position |

* NOT IN STOCK CUSTOM QUANTITIES AVAILABLE UPON REQUEST, LARGER MINIMUMS APPLY.

Pallet Cover Duffle Bag

Ideal for return of pallet cover, clean and undamaged. Store till needed – Send duffle bag with shipment for a safe return system. Protect your investment. **Part No. PCDB**

GORT REFRIGERATED/FROZEN TRANSPORT

“THE WEEK THE TEMPERATURE STOOD STILL”

- Ultimate in uniform temperature stable assurance
- Tamper resistant
- Rugged construction
- Engineered to be superior

Available in short, medium and tall. Constructed of rugged double wall corrugated, tight fitting 3" EPS foam insulation with inter locking corners, and bulk container barrier bag. Comes preassembled. ICE-BRIX® Saddle bag and or Cold Pocket™ refrigerant systems fully wraps and protects perishable. **TEST AND COMPARE**

- Refrigerant Saddle Bags control the entire stability process
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products even under extreme ambient conditions for up to 6 days
- Reusable, recyclable

| PART # | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D | WALL THICKNESS | EMPTY WEIGHT |
|---------|--------------------------------|---------------------------------|----------------|--------------|
| GORT104 | 40" x 32" x 25" | 47 3/4" x 39 3/4" x 32 1/4" | 3" | 29 lbs. |
| GORT110 | 40" x 32" x 41 1/2" | 47 3/4" x 39 3/4" x 49" | 3" | 34 lbs. |
| GORT112 | 42" x 33" x 51 1/2" | 48" x 40" x 58" | 3" | 39 lbs. |

- Optional plastic pallets — please inquire
- Custom sizes available
- Optional insulation panel thickness
- Weight shown without pallet

OPTIONAL PALLET COVER SYSTEM COMPONENTS

| PART # | DESCRIPTION |
|--------------------|--|
| BC.60 – BC.130 | Barrier pallet bag |
| BC.60 – BC.130 | Barrier pallet cover |
| SB24 | ICE-BRIX® Saddle Bag refrigerant |
| CP12 | Cold Pocket™ Saddle wrap (refrigerant packs or dry ice) |
| 1300 | Insulated bottom pallet pad NOT IN STOCK* |
| 1301 – 1401 – 1501 | Large pallet rubber band – hold refrigerant wrap in position |

* NOT IN STOCK CUSTOM QUANTITIES AVAILABLE UPON REQUEST, LARGER MINIMUMS APPLY.

- Ultimate in temperature uniform stability
- Maximum temperature sensitive protection for bulk transport of refrigerated or frozen products
- Reusable, recyclable

| PART # | ICE-BRIX® SADDLE BAG PALLET REFRIGERANTS |
|--------|--|
| SB24 | 12" x 144" 18 continuous packs, full length cold wrap or cut to desired length |

| PART # | COLD POCKETS™ CREATE YOUR OWN CURTAIN OF COLD™ WRAP, INSERT EITHER COLD PACKS, DRY ICE SLABS OR BOTH |
|--------|--|
| CP12 | 12" wide x 144" long 15 pockets per length |

(Minimum 4 full wraps) 7 wraps will provide a full curtain of cold coverage for a pallet or bulk transport shipper. You can cut them to a length of your choice to surround your product and keep the cold in place during shipping. Use pallet rubber band part # 1301, 1401 or 1501 to hold the refrigerant against the product during shipping.

THERMO CHILL® GLOBAL OPTIMUM REFRIGERATED/FROZEN TRANSPORTS



MEDIUM

SHORT

TALL NOT SHOWN

ICE-BRIX® SADDLE BAGS



SUPERIOR PERFORMANCE IN ALL TYPES OF CONDITIONS

LABELS – MAILERS AND SMALL PACKAGES

Pressure Sensitive Permanent Adhesive Labels

NEW LOW PRICES

These stock shipping, caution and handling labels draws the attention to your valued shipments. Featuring, a permanent adhesive for an aggressive adhesion to corrugated boxes, stretch film and mailers. Caution and handling labels help packages arrive safely.

500 LABELS PER ROLL - 3" CORE (LABEL DIMENSIONS SHOWN IN INCHES)



SCL 210 - 3 x 2



SCL 212 - 3 x 2



SCL 211 - 3 x 2



SPL 123 - 2 x 1 1/4



SPL 107 - 2 x 1 1/4
fluorescent



SPL 108 - 2 x 1 1/4



SPL 121 - 2 x 1 1/4



SPL 105 - 2 x 1 1/4



SCL 213 - 3 x 2



SCL 209 - 3 x 2



SCL 217 - 3 x 2



SCL 218 - 3 x 2



SCL 219 - 2 1/2 x 2



SCL 201 - 2 1/2 x 2 1/2



SCL 206 - 2 1/2 x 2 1/2



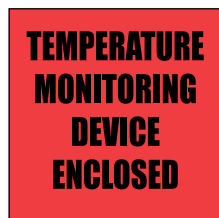
TAL 518 - 2 x 2
fluorescent



SPL 249 - 2 x 2



SPL 233 - 2 x 2



SCL 528 - 2 x 2



SCL 525 - 2 x 2



SCL 234 - 3 x 3
fluorescent



SCL 518 - 2" Circle

LABELS – PRODUCTION AND SMALL PACKAGES



SPL 109 - 2 x 1¼



SPL 122 - 2 x 1¼



SPL 120 - 2 x 1¼



SPL 125 - 2 x 1¼



SPL 127 - 2 x 1¼



SPL 124 - 2 x 1¼



SPL 126 - 2 x 1¼



SPL 128 - 2 x 1¼



SPL 135 - 2 x 1¼



SPL 134 - 2 x 1¼



SPL 133 - 2 x 1¼



SPL 132 - 2 x 1¼



SPL 131 - 2 x 1¼



SPL 130 - 2 x 1¼



SPL 129 - 2 x 1¼

NEW

Solution - to transfer liability to the carriers that damage your shipments. Take digital photos of departing shipment. Label photo verified shows that shipment left your facility in good condition.

-HANDLE WITH CARE-
PHOTO VERIFIED
THIS SHIPMENT LEFT OUR
DOCK IN PERFECT CONDITION



INSPECT FOR DAMAGE
BEFORE ACCEPTING
ANY DAMAGE TO CONTENTS SHOULD BE
NOTED ON BILL OF LADING FOR CLAIM
AGAINST CARRIER. REFERENCE SHIPPERS
PHOTO NO. ON SHIPMENT FOR COPY OF
PHOTO EVIDENCE AND VERIFICATION.

REF. PHOTO NO.

PTI 1(800) 423-2749

SCL503

SCL 503 - 3½ x 4
 SCL 802 - 5 x 6

NEW LOW PRICING!

FOR SUPERIOR PERFORMANCE IN ALL TYPES OF CONDITIONS.

CALL FOR VOLUME PRICING.

UP ARROWS/RUSH/FRAGILE/GLASS LABELS

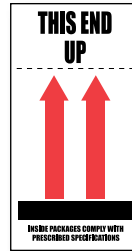
UP ARROW LABELS

PRESSURE SENSITIVE PERMANENT ADHESIVE LABELS

All labels shown below are available for immediate shipment.



IATA 406 - 3 x 4 1/4



SCL 904 - 4 x 8



SCL 511R - 3 x 4



SCL 515 - 3 x 5



SCL 546 - 6 1/4 x 3

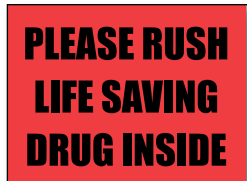


SCL 242 - 4 x 2



SCL 521 - 5 x 3

RUSH LABELS



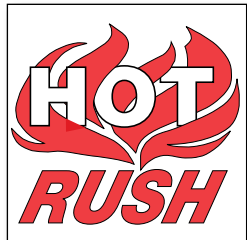
TAL 517 - 3 3/4 x 2 3/4



SCL 548 - 4 x 2 3/4



TAL 577 - 4 x 2



SCL 475 - 4 x 4



SCL 825 - 4 x 6



TAL 816 - 4 x 6



TAL 817 - 6 x 4

FRAGILE/GLASS LABELS



SCL 513 - 4 x 3



SCL 533 - 5 x 3



SCL 516 - 4 x 3



SCL 557 - 5 x 3



SCL 504 - 4 x 3



SCL 206 - 2 1/2 x 2 1/2
SCL 506 - 4 x 4



SCL 201 - 2 1/2 x 2 1/2
SCL 501 - 4 x 4



SCL 204 - 4 x 1 1/2

LABELS - TEMPERATURE AWARENESS

TEMPERATURE AWARENESS LABELS

PRESSURE SENSITIVE PERMANENT ADHESIVE LABELS

All labels shown below are available for immediate shipment. We can also custom produce any label to meet your requirements. This is only a partial library of our labels, please ask your customer service representative for our complimentary full label catalog.

**500 LABELS PER ROLL - 3" CORE
(LABEL DIMENSIONS SHOWN IN INCHES)**



SCL 217 - 3 x 2



SCL 218 - 3 x 2



SPL 233 - 2 x 2



SPL 105 - 2 x 1 1/4



SCL 234 - 3 x 3
fluorescent



TAL 518 - 2 x 2
TAL 528 - 3 x 3



SCL 534 - 3 x 3



TAL 511 - 3 x 3



TAL 510 - 4 x 4



TAL 544 - 4 x 4



SCL 511 - 4 x 4



TAL 513 - 4 x 3



SCL 596 - 5 x 3



TAL 818 - 4 x 6



TAL 816 - 4 x 6



TAL 817 - 6 x 4



TAL 514 - 5 x 3



SCL 808 - 4 x 6



TAL 507 - 5 x 3



TAL 205 - 4 x 1 1/2



SCL 237 - 4 x 1 1/2



TAL 570 - 4 x 2 3/4



SCL 587 - 5 x 3

LABELS - SPECIAL HANDLING

**CAUTION
DRY ICE
USE HAND
PROTECTION**

TAL 204 - 2 x 2

**TEMPERATURE
MONITORING
DEVICE
ENCLOSED**

SCL 528 - 2 x 2
TAL 530 - 4 x 4

**DELICATE
INSTRUMENTS**



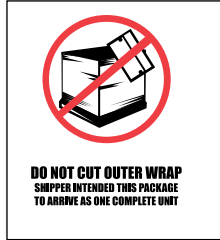
**HANDLE WITH
GREAT CARE**

SCL 537 - 4 x 4



**INSPECT THIS SHIPMENT
NOW!
IF DAMAGED, FILE CLAIM
WITH CARRIER IMMEDIATELY.
DO NOT RETURN TO SENDER.**

SCL 935 - 5½ x 4½



**DO NOT CUT OUTER WRAP
SHIPPER INTENDED THIS PACKAGE
TO ARRIVE AS ONE COMPLETE UNIT**

SCL 585 - 5 x 6

**MIXED MERCHANDISE
IN THIS CARTON**

SCL 543 - 6 x 1½

**MIXED MERCHANDISE
IN THIS CARTON
CHECK CAREFULLY**

SCL 544 - 6 x 2

**REPORT
DAMAGE NOW**

NOTE ANY DAMAGE OR DISCREPANCIES ON THE CARRIERS BILL OF LADING. IN CASE OF DAMAGE CALL CARRIERS AGENT AT ONCE FOR INSPECTION AND REQUEST INSPECTION REPORT. DO NOT WRITE US, FIRST NOTIFY THE CARRIER INSTEAD. IF THIS PRECAUTION IS NOT TAKEN WE CANNOT ASSIST YOU IN RECEIVING THE AMOUNT OF CLAIM AGAINST CARRIER. SEND INSPECTION REPORT TO US WHEN NOTIFYING US OF DAMAGE.

SCL 588 - 5 x 2½

SAMPLE

SCL 253 - 4 x 1½

**REUSABLE CONTAINER
DO NOT DESTROY**

SCL 249 - 3 x 1

**TOP LOAD
ONLY**

SCL 806 - 6 x 4



SCL 833 - 8 x 2

**NON
HAZARDOUS
MATERIALS**

SCL 525 - 2 x 2



**BIOMEDICAL
MATERIAL**

SCL 422 - 6 x 4

**CAUTION:
CHEMO-
THERAPY
PRODUCTS**

SCL 600 - 3 x 3

**CAUTION
DO NOT
X-RAY**

SCL 219 - 2½ x 2
SCL 523 - 4 x 3



SCL 518 - 2" Circle
SCL 563 - 3" Circle

NOT RESTRICTED
It is hereby certified that the contents of this shipment, in spite of product name or appearance are not Dangerous Goods restricted for air transportation according to the applicable International and National Government Regulations.
NOT RESTRICTED

SCL 508 - 5 x 3



SCL 829 - 6 x 4

**HOLD AT
AIRPORT
FOR PICKUP**
NOTIFY: _____

SCL 532 - 5 x 3

**HOLD AT
AIRPORT**
NAME OF AIRPORT _____
CALL _____ PHONE _____

SCL 582 - 4 x 4

U.S. CUSTOMS
This package is under band and must be delivered intact to the Customs Officer in charge at the port of destination or to such other place as authorized by Customs.
WARNING
Two Years Imprisonment, \$5,000 fine, or both is the penalty for unlawful removal of this package or any of its contents.

SCL 244 - 3½ x 1½



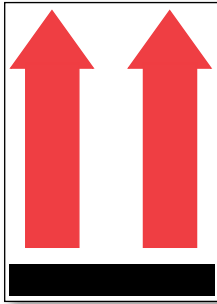
**DURABLE METAL
LABEL DISPENSER
SEE PAGE 68**

INTERNATIONAL/BIOHAZARD LABELS

INTERNATIONAL PICTORIAL MARKINGS



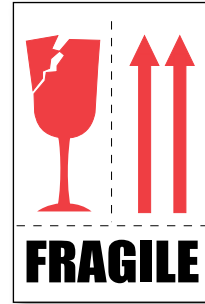
IPM 302 – 3 x 4
IPM 402 – 4 x 6



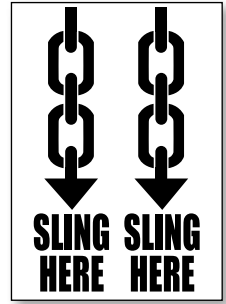
IPM 305 – 3 x 4
IPM 405 – 4 x 6



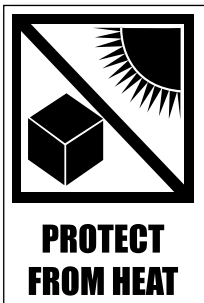
IPM 301 – 3 x 4
IPM 401 – 4 x 6



IPM 419 – 4 x 6



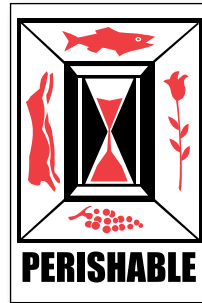
IPM 307 – 3 x 4
IPM 407 – 4 x 6



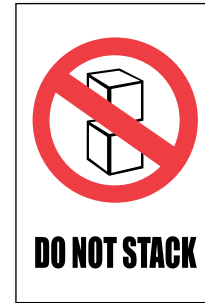
IPM 304 – 3 x 4
IPM 404 – 4 x 6



IPM 303 – 3 x 4



IPM 313 – 3 x 4
IPM 413 – 4 x 6



IPM 309 – 3 x 4
IPM 409 – 4 x 6



IPM 322 – 3 x 4
IPM 422 – 4 x 6



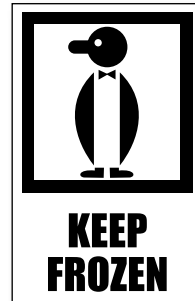
IPM 418 – 4 x 6



IPM 315 – 3 x 4
IPM 415 – 4 x 6



IPM 316 – 3 x 4
IPM 416 – 4 x 6



IPM 314 – 3 x 4
IPM 414 – 4 x 6



IPM 317 – 4 x 4
IPM 417 – 4 x 6

BIOHAZARD WARNING LABELS

OSHA requires that warning labels be affixed to containers used to store, transport or ship blood or other potentially infectious materials. These fluorescent orange labels meet OSHA marking requirements 29 CFR 1910 & 1030. 3 x 3 inches

Product # HML 440 - English

Product # HML 441 - Spanish

500 per roll, English or Bilingual



HML 440



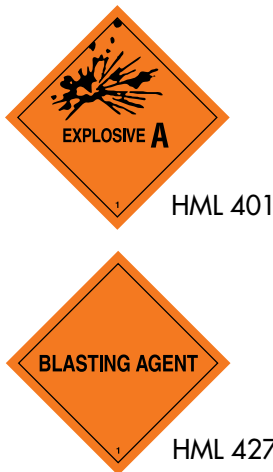
HML 441

LABELS D.O.T. AND INTERNATIONAL

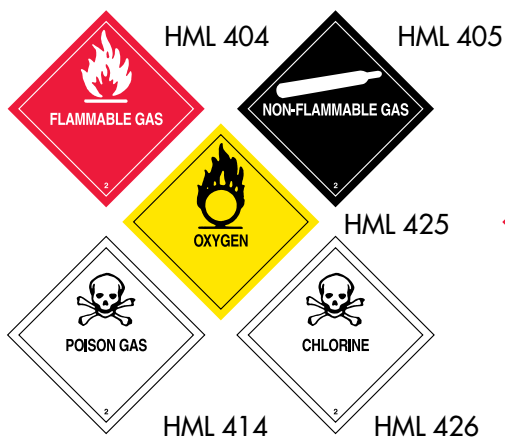
HAZARD LABELS

Our international labels comply with IATA and UN recommendations for the transport of dangerous goods. All are pressure sensitive, 100mm x 100mm (4 x 4). Labels shown are paper with permanent pressure sensitive adhesive. All are available in rolls of 500. This is only a partial list of labels, please request a full catalog.

HAZARD CLASS 1 EXPLOSIVES



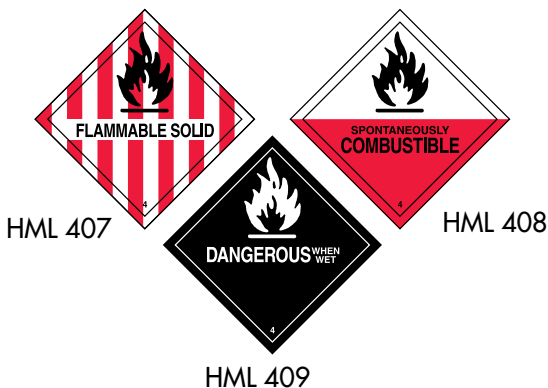
HAZARD CLASS 2 GASES



HAZARD CLASS 3 FLAMMABLE LIQUIDS



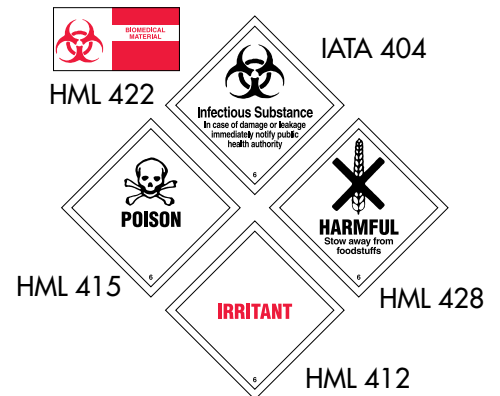
HAZARD CLASS 4 FLAMMABLE SOLIDS



HAZARD CLASS 5 OXIDIZER & ORGANIC PEROXIDE



HAZARD CLASS 6 POISONOUS & ETIOLOGICAL



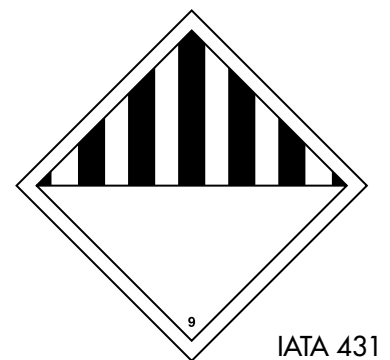
HAZARD CLASS 7 RADIOACTIVE



HAZARD CLASS 8 CORROSIVE



HAZARD CLASS 9 MISCELLANEOUS DANGEROUS GOODS

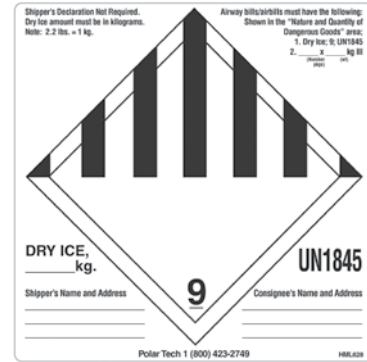


DRY ICE & BIOHAZARDOUS LABELS

MISCELLANEOUS DANGEROUS GOODS DRY ICE LABELS

This label complies with Federal Express labeling and marking recommendations for shipments containing dry ice. 5 1/2 x 5 1/2 inch gloss paper, pressure sensitive label, 500 per roll. Personalized label with name & address of shipper or consignee available upon request.

PART # HML628



BIOHAZARDOUS AND SUBSTANCE CATEGORY B LABELS

Depending on the type of packaging selected to transport Biological Specimens, there are mandatory markings that must appear on the outer packaging according to DOT and IATA regulations. Please refer to IATA Packing Instruction 650 for more details.

GENERAL REQUIREMENTS

Diagnostic specimens must be packed in good quality packaging, which must be strong enough to withstand the shocks and loadings normally encountered during transport, including trans-shipment between transport units and between transport units and warehouses as well as any removal from a pallet or overpack for subsequent manual or mechanical handling. Packaging must be constructed and closed so as to prevent any loss of contents when prepared for transport which might be caused under normal conditions of transport, by vibration or by changes in temperature, humidity or pressure.

Primary receptacles must be packed in secondary packaging in such a way that, under normal conditions of transport, they cannot break, be punctured or leak their contents into the secondary packaging. Secondary packaging must be secured in outer packaging with suitable cushioning material. Any leakage of the contents must not substantially impair the protective properties of the cushioning material or of the outer packaging.



BHM527 – 3 1/2 x 4



BHM310 – 2 1/2 x 2



BHM314 – 3 x 2



BHM311 – 3 1/2 x 1



BHM312 – 3 1/2 x 1



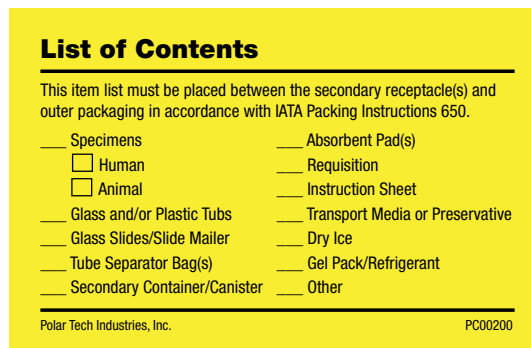
BHM313 – 2 x 7/8

LIST OF CONTENTS CARD

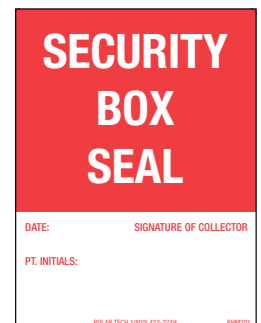
IATA Packing Instruction 650 requires "an itemized list of contents" card as part of the packaging instruction. This card should be placed between the secondary packaging and the outer packaging.

Polar Tech's standardized list of contents card is available in any printed quantity requested. If you require a custom card for your particular components, please contact Polar Tech for a quotation.

Stock card size is 4.25" x 2.75" 100 per pack



PC00200 – 4 1/4 x 2 3/4



BHM201 – 1 7/8 x 2 1/2

COLDMARK AND WARMMARK TEMP INDICATORS



COLDMARK™ FREEZE INDICATORS

ColdMark™ Freeze Indicators are the ideal way of assuring your products have not been exposed to cold temperatures. Guaranteed to work within + or - 1°C degree of it's response temperature. You know at a glance if your product has been exposed to freezing temperatures in transit (shipping) or storage. The highest degree of accuracy in the industry, providing a permanent record that assures your product's integrity and quality. Our courteous customer service professionals will answer any questions you might have on our quality line of temperature indicator recorder products.

- Assure the quality of refrigerated pharmaceuticals, chemicals, film, medical devices and electronics
- Provides an accurate visual record of damaging low temperature conditions
- Record conditions at a critical temperature
- Easy to use

| PART # | DESCENDING | QTY PER CASE |
|--------|-------------------------|--------------|
| 518 | COLDMARK (-3° C/-26° F) | 100 |
| 519 | COLDMARK (0° C/32° F) | 100 |
| 520 | COLDMARK (2° C/36° F) | 100 |
| 522 | COLDMARK (5° C/41° F) | 100 |
| 523 | COLDMARK (10° C/50° F) | 100 |

A clear colorless bulb indicates no exposure at or below response temperature.

Capillary tube packaged in a foam piece, with a PVC top covering and cardboard underside.

Peel off back liner



Pressure sensitive adhesive for mounting ColdMark™ onto your product.



Violet indicates exposure at or below response temperature.



WARMMARK™ TEMPERATURE TAGS

WarmMark™ time temperature tags leave you in control even after your product has been shipped. Your customers know at a glance if the product has been exposed to abusive temperatures during shipping or storage. The WarmMark™ tag accurately (+ or - 1°C) indicates if your product has been exposed to heat above a selected temperature. Please contact our customer service representative for more details.



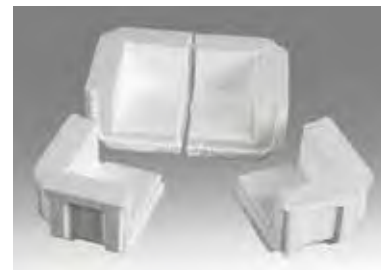
| PART # | THRESHOLD TEMP. | RUN-OUT TIME | | | QTY PER CASE |
|--------|---------------------------------|--------------|----------|-----------|--------------|
| | | BRIEF | MODERATE | PROLONGED | |
| 501 | WARMMARK (-18° C/0° F) | 1 HOUR | 3 HOURS | 12 HOURS | 100 |
| 502 | WARMMARK (0° C/32° F) | 2 HOURS | 12 HOURS | 48 HOURS | 100 |
| 505 | WARMMARK (8° C/46° F) | 2 HOURS | 12 HOURS | 48 HOURS | 100 |
| 506 | WARMMARK (10° C/50° F) | 2 HOURS | 12 HOURS | 48 HOURS | 100 |
| 504 | WARMMARK (20° C/68° F) | 2 HOURS | 12 HOURS | 48 HOURS | 100 |
| 503 | WARMMARK (5° C/41° F) | 30 MINUTES | 2 HOURS | 8 HOURS | 100 |
| 509 | WARMMARK (25° C/77° F) | 30 MINUTES | 2 HOURS | 8 HOURS | 100 |
| 510 | WARMMARK (30° C/86° F) | 30 MINUTES | 2 HOURS | 8 HOURS | 100 |
| 507 | WARMMARK (37° C/99° F) | 30 MINUTES | 2 HOURS | 8 HOURS | 100 |
| 506/LR | WARMMARK LONG-RUN (10° C/50° F) | | | | 100 |
| 512/LR | WARMMARK LONG-RUN (31° C/88° F) | | | | 100 |

FOAM CORNERS AND EDGE PROTECTORS



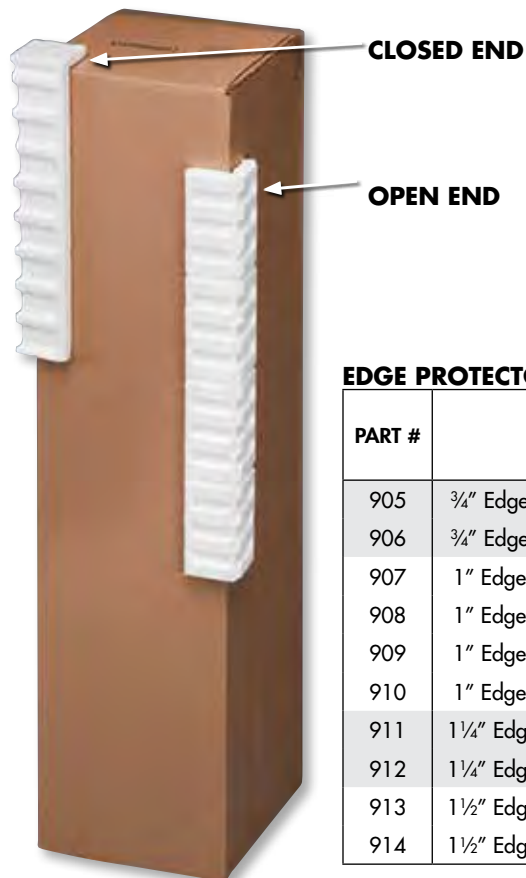
Molded expanded polystyrene foam, corner and edge protectors are specifically designed to protect your products.

- Shock barrier
- Protects fragile items in an air cell
- Protect corners and edges
- Use glue dots – hold foam units in place



CORNER PROTECTORS

| PART # | DESCRIPTION | | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D |
|--------|-------------------------------|----------|--------------------------------|---------------------------------|
| 900 | 3/4" Foam corner protectors | Square | 2 1/4" x 2 1/4" x 2 1/4" | 3" x 3" x 3" |
| 901 | 3/4" Foam corner protectors | Square | 3" x 3" x 3" | 3 3/4" x 3 3/4" x 3 3/4" |
| 902 | 1 1/4" Foam corner protectors | Square | 3 1/2" x 2 3/4" x 2" | 4 7/8" x 4" x 3 1/4" |
| 903 | 3/4" Foam corner protectors | Triangle | 3" x 3" x 4 1/4" | 4 1/2" x 4 1/2" x 6 3/8" |
| 904 | 1 1/2" Foam corner protector | Square | 3 3/4" x 3 3/4" x 2 1/4" | 5 1/4" x 5 1/4" x 5 1/4" |



EDGE PROTECTORS

| PART # | DESCRIPTION | | INSIDE DIMENSIONS L x W x D | OUTSIDE DIMENSIONS L x W x D |
|--------|---|------------|--------------------------------|---------------------------------|
| 905 | 3/4" Edge protector 6" snap away sections | OPEN END | 24" x 2 1/4" x 2 1/4" | 24" x 3" x 3" |
| 906 | 3/4" Edge protector 6" snap away sections | CLOSED END | 22 1/2" x 2 1/2" x 2 1/2" | 24" x 3" x 3" |
| 907 | 1" Edge protector 6" snap away sections | OPEN END | 24" x 2" x 2" | 24" x 3" x 3" |
| 908 | 1" Edge protector 6" snap away sections | CLOSED END | 22" x 2" x 2" | 24" x 3" x 3" |
| 909 | 1" Edge protector 9" snap away sections | OPEN END | 36" x 2 3/4" x 2 3/4" | 36" x 3 3/4" x 3 3/4" |
| 910 | 1" Edge protector 9" snap away sections | CLOSED END | 34" x 2 3/4" x 2 3/4" | 36" x 3 3/4" x 3 3/4" |
| 911 | 1 1/4" Edge protector 9" snap away sections | OPEN END | 36" x 2 1/2" x 2 1/2" | 36" x 3 3/4" x 3 3/4" |
| 912 | 1 1/4" Edge protector 9" snap away sections | CLOSED END | 33 1/2" x 2 1/2" x 2 1/2" | 36" x 3 3/4" x 3 3/4" |
| 913 | 1 1/2" Edge protector 9" snap away sections | OPEN END | 36" x 2 1/2" x 2 1/2" | 36" x 3 3/4" x 3 3/4" |
| 914 | 1 1/2" Edge protector 9" snap away sections | CLOSED END | 34" x 2 3/4" x 2 3/4" | 36" x 3 3/4" x 3 3/4" |

CORRUGATED BOXES

FREE CORRUGATED PUZZLE WITH ALL ORDERS.



**IF YOU DON'T SEE IT
WE CAN GET IT**



IN-STOCK FOR IMMEDIATE SHIPPING!



**PRINTED CUSTOM BOXES
CALL FOR QUOTE**

In-Stock for immediate shipping. Lets build a powerful partnership. If you require a size that we don't have listed, we can get it and would like to stock the sizes to serve you BEST.

CORRUGATED BOXES

| PART # | INSIDE DIMENSIONS L x W x H | USE WITH | QTY BUNDLE/BALE | WEIGHT BUNDLE |
|------------|--------------------------------|---------------------|--------------------|------------------|
| KD555 | 5" x 5" x 5" | | 25/1800 | 5 lbs. |
| KD5510 | 5" x 5" x 10" | | 25/1200 | 8 lbs. |
| KD865 | 8" x 6" x 5" | Box liner | 25/1200 | 8 lbs. |
| KD888 | 8" x 8" x 8" | Box Liner | 25/900 | 12 lbs. |
| KD1087 | 10" x 8" x 7" | | 25/500 | 15 lbs. |
| KD101010 | 10" x 10" x 10" | Box Liner | 25/500 | 19 lbs. |
| KD12109 | 12" x 10" x 9" | Box Liner | 25/500 | 20 lbs. |
| KD121212 | 12" x 12" x 12" | Box Liner | 25/500 | 27 lbs. |
| KD13136 | 13" x 13" x 6" | | 25/500 | 34 lbs. |
| KD13138 | 13" x 13" x 8" | | 25/500 | 20 lbs. |
| KD141210 | 14" x 12" x 10" | | 25/500 | 27 lbs. |
| KD141414 | 14" x 14" x 14" | Box Liner | 25/250 | 38 lbs. |
| KD15104 | 15" x 10" x 4 1/2" | Pulp wine 2 bottle | 25/150 | 31 lbs. |
| KD15108 | 15" x 10" x 8 3/4" | Pulp wine 4 bottle | 25/150 | 33 lbs. |
| KD1665 | 16" x 6 1/2" x 5 3/4" | Pulp wine 1 bottle | 25/150 | 36 lbs. |
| KD1688 | 16" x 8" x 8" | | 25/500 | 30 lbs. |
| KD161414 | 16" x 14" x 14" | | 25/300 | 24 lbs. |
| KD161616 | 16" x 16" x 16" | Box Liner | 25/125 | 47 lbs. |
| KD171412 | 17" x 14 3/4" x 12 1/2" | | 25/125 | 35 lbs. |
| KD171717 | 17" x 17" x 17" | | 25/125 | 46 lbs. |
| KD18128 | 18" x 12" x 8" | | 25/250 | 24 lbs. |
| KD181315* | 18" x 13" x 15 1/4" | | 25/125 | 42 lbs. |
| KD181616 | 18" x 16" x 16" | | 20/240 | 43 lbs. |
| KD181818 | 18" x 18" x 18" | | 20/120 | 48 lbs. |
| KD19126 | 19 1/4" x 12 1/4" x 6" | Pulp wine 3 bottle | 25/150 | 32 lbs. |
| KD19128 | 19 1/4" x 12 1/4" x 8 1/2" | Pulp wine 6 bottle | 25/150 | 34 lbs. |
| KD191214 | 19 1/4" x 12 1/4" x 14" | Pulp wine 12 bottle | 25/150 | 38 lbs. |
| KD201816 | 20" x 18" x 16" | | 10/150 | 60 lbs. |
| KD202036 | 20" x 20" x 36" | | 10/120 | 39 lbs. |
| KD211312 | 21" x 13" x 12 3/4" | | 25/125 | 35 lbs. |
| KD211412 | 21 1/4" x 14 1/8" x 12 1/8" | | 25/125 | 37 lbs. |
| KD211616 | 22" x 16" x 16" | | 25/125 | 48 lbs. |
| KD222218 | 22" x 22" x 18" | | 10/150 | 20 lbs. |
| KD222220 | 22" x 22" x 20" | | 10/120 | 73 lbs. |
| KD222222** | 22" x 22" x 22" | | 15/150 | 29 lbs. |
| KD231516 | 23 1/2" x 15 3/8" x 16 1/2" | | 25/125 | 49 lbs. |
| KD2499 | 24" x 9" x 9" | | 25/250 | 66 lbs. |
| KD241210 | 24" x 12" x 10" | | 25/250 | 32 lbs. |
| KD241514 | 24" x 15" x 14" | | 25/125 | 45 lbs. |
| KD241614 | 24" x 16" x 14" | | 25/125 | 48 lbs. |
| KD241818 | 24" x 18" x 18" | Box Liner | 15/120 | 40 lbs. |

More sizes on the next page.

* FOL - Full over lap

** Multi depth 22, 20, 18, 16

CORRUGATED STOCK/Self-SEAL SIDE LOADING BOXES

CORRUGATED BOXES

| PART # | INSIDE DIMENSIONS L x W x H | USE WITH | QTY BUNDLE/BALE | WEIGHT BUNDLE |
|----------|--------------------------------|-----------|--------------------|------------------|
| KD242018 | 24" x 20" x 18" | | 10/120 | 25 lbs. |
| KD242012 | 24" x 20" x 12" | | 25/125 | 56 lbs. |
| KD242016 | 24" x 20" x 16" | | 25/125 | 63 lbs. |
| KD242430 | 24" x 24" x 30" | | 10/150 | 43 lbs. |
| KD262020 | 26" x 20" x 20" | Box Liner | 10/120 | 34 lbs. |
| KD272121 | 27" x 21" x 21" | | 25/125 | 79 lbs. |
| KD292414 | 29 3/4" x 24" x 14 5/8" | | 25/125 | 82 lbs. |
| KD362424 | 36" x 24" x 24" | | 5/120 | 24 lbs. |



275 LB. STOCK BOXES AVAILABLE

| PART # | INSIDE DIMENSIONS L x W x H | QTY BUNDLE/BALE | WEIGHT BUNDLE |
|----------|--------------------------------|--------------------|------------------|
| KD1013PL | 5 3/8" x 5 3/8" x 6 3/8" | 25/375 | 21 lbs. |
| KD716PL | 5 1/2" x 5 1/2" x 11 3/4" | 25 | 8 lbs. |
| KD732PL | 6" x 6" x 12 1/2" | 25 | 19 lbs. |
| KD780PL | 7 7/8" x 7 7/8" x 16" | 25 | 29 lbs. |
| KD1019PL | 8 5/16" x 5 3/16" x 12 3/8" | 25/750 | 20 lbs. |
| KD1016PL | 8 9/16" x 8 9/16" x 10 1/8" | 25/750 | 17 lbs. |
| KD790PL | 10 1/2" x 10 1/2" x 18" | 25 | 39 lbs. |
| KD1014PL | 10 3/4" x 5 3/8" x 6 3/8" | 25/375 | 31 lbs. |
| KD1015PL | 10 3/8" x 10 3/8" x 6 3/8" | 25/750 | 19 lbs. |
| KD1020PL | 11 5/8" x 8 3/16" x 12 3/8" | 25/500 | 22 lbs. |
| KD761PL | 14" x 10" x 11 1/4" | 25 | 25 lbs. |
| KD784PL | 14" x 14" x 15 1/2" | 25 | 37 lbs. |
| KD1021PL | 16 1/2" x 11 7/16" x 12 3/8" | 25/250 | 34 lbs. |
| KD1017PL | 17 1/8" x 8 9/16" x 10 1/8" | 25/500 | 25 lbs. |
| KD1018PL | 17 1/4" x 17 1/4" x 10 1/8" | 25/250 | 47 lbs. |

**ORDERS SHIPPED FROM
NEAREST LOCATION**



**LARGE QUANTITIES
CALL FOR QUOTE**

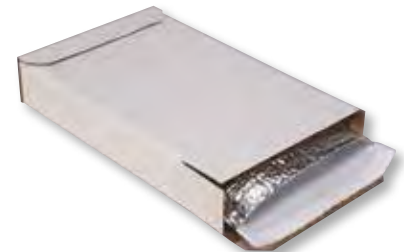
SELF-SEAL SIDE LOAD BOXES



SELF-SEAL SIDE LOADING BOXES

Plain version of FED EX Express, UPS, Nextday Air and UPS Priority Mail boxes.

- Assembles easily no tape or glue required. Adhesive strip, seals flaps securely on both ends of box.
- Ships flat and saves space.
- Tear strip for easy opening
- Tamper evident



| PART # | INSIDE DIMENSION L x W x H | MULTI-DEPTH / DESCRIPTION | QTY BUNDLE/BALE |
|-----------|-------------------------------|-------------------------------------|--------------------|
| KD10212SL | 10 7/8" x 2" x 12 1/4" | Small books/insulated mailers | 25/1225 |
| KD11315SL | 11 1/4" x 3" x 15 1/8" | Large documents/insulated mailers | 25/875 |
| KD12317SL | 12 1/2" x 3" x 17 1/2" | Large fold papers/insulated mailers | 25/875 |

PADDED MAILERS

KRAFT SELF-SEAL PADDED MAILERS

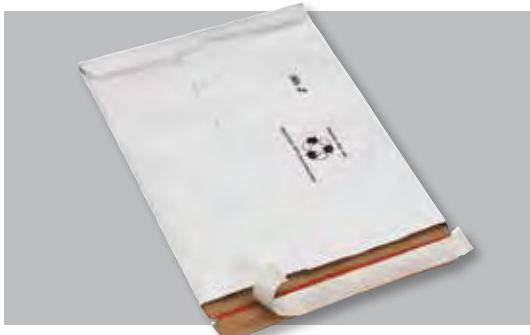


Self-seal adhesive strip secures bags quickly and easily, saving both time and money.

- Recycled fiber padding inside bag absorbs shock and protects contents from damage
- End flap is coated with a natural rubber adhesive that only sticks to itself

| PART # FULL CASE | FULL CASE QTY | PART # 25-PACK | DIMENSIONS (W x L) | NUMBER |
|---------------------|------------------|-------------------|--------------------|--------|
| 1097 | 100 | 1102 | 8 1/2" x 12" | #2 |
| 1098 | 100 | 1103 | 8 1/2" x 14 1/2" | #3 |
| 1099 | 100 | 1104 | 9 1/2" x 14 1/2" | #4 |
| 1100 | 100 | 1105 | 10 1/2" x 16" | #5 |
| 1101 | 50 | 1106 | 12 1/2" x 19" | #6 |

WHITE SELF-SEAL PADDED MAILERS



Attractive white mailers will impress your customers!

- Self-seal adhesive strip seals bag securely, no additional protective wraps needed
- Fiber lining cushions contents during shipping

| PART # FULL CASE | FULL CASE QTY | PART # 25-PACK | DIMENSIONS (W x L) | NUMBER |
|---------------------|------------------|-------------------|--------------------|--------|
| 1107 | 100 | 1113 | 7 1/4" x 12" | #1 |
| 1108 | 100 | 1114 | 8 1/2" x 12" | #2 |
| 1109 | 100 | 1115 | 8 1/2" x 14 1/2" | #3 |
| 1110 | 100 | 1116 | 9 1/2" x 14 1/2" | #4 |
| 1111 | 100 | 1117 | 10 1/2" x 16" | #5 |
| 1112 | 50 | 1118 | 12 1/2" x 19" | #6 |

PADDED MAILERS



Puncture and moisture resistant mailers keep items safe during shipping.

- Interior fibers expand as package is handled for consistent cushioning
- Can be taped or stapled closed

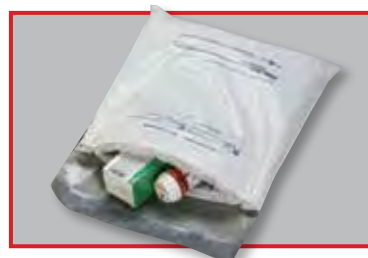
| PART # | DIMENSIONS (W x L) | NUMBER | CASE QTY |
|--------|--------------------|--------|----------|
| 143 | 7 1/4" x 12" | #1 | 100 |
| 144 | 8 1/2" x 12" | #2 | 100 |
| 149 | 8 1/2" x 14 1/2" | #3 | 100 |
| 145 | 9 1/2" x 14 1/2" | #4 | 100 |
| 146 | 10 1/2" x 16" | #5 | 100 |
| 147 | 12 1/2" x 19" | #6 | 50 |

NEW PRODUCTS

Fit your requirement & budget. Call our professionals for your needs.



COOL BARRIER BUBBLE
See page 25.



COOL STUFF™
INSULATED MAILERS
See page 24.

HAND STAPLERS, GIFT & WRAPPING TISSUE, NEWSPRINT

Powerful hand stapler with increased leverage and great driving force.

- Good for sealing light-weight shipping cartons
- Holds both 1/4" and 3/8" staples

| PART # | DESCRIPTION | CASE QTY |
|--------|--------------------------------|----------|
| ST1119 | Industrial Hand Stapler | 1 |
| ST1120 | Industrial Sword Point Stapler | 1 |
| ST1121 | 1/4" Deluxe Staples | 6,000 |
| ST1122 | 3/8" Deluxe Staples | 5,000 |

INDUSTRIAL HAND STAPLERS



Enhance the appearance and add dimension to your packaging with premium quality Tissue Paper.

- Special dyes resist fading and bleeding
- Basis Weight: 10#
- Soft texture on both sides

| PART # | SHEET SIZE | COLORS | SHEETS PER CASE |
|--------|------------|-------------|-----------------|
| 1127 | 20" x 30" | Royal Blue | 480 |
| 1128 | 20" x 30" | Bright Pink | 480 |
| 1129 | 20" x 30" | Yellow | 480 |
| 1130 | 20" x 30" | Red | 480 |
| 1131 | 20" x 30" | Green | 480 |

GIFT GRADE COLORED TISSUE PAPER



WRAPPING TISSUE



Crumples easily for packing into small cartons and mailers.

- **Economy Tissue:** Perfect for wrapping glass or other fragile items, basis weight 10#
- **Heavy Tissue:** Economical void-fill, basis weight 15#

ECONOMY TISSUE (COLOR: WHITE)

| PART # | SHEET SIZE | SHEETS PER CASE |
|--------|------------|-----------------|
| 1123 | 20" x 30" | 4,800 |
| 1124 | 24" x 36" | 2,880 |

HEAVY TISSUE (COLOR: ECRU)

| PART # | SHEET SIZE | SHEETS PER CASE |
|--------|------------|-----------------|
| 1125 | 20" x 30" | 2,300 |
| 1126 | 20" x 36" | 1,920 |

NEWSPRINT



Economical void-fill. A great stuffer. Unprinted newsprint is made from 100% recycled paper.

- Available sheeted or in rolls
- Roll fits standard paper cutters
- Basis weight: 30#

| PART # | SHEET SIZE | WEIGHT PER BUNDLE | SHEETS PER BUNDLE |
|--------|------------|-------------------|-------------------|
| 1137 | 15" x 20" | 50# | 2,400 |
| 1138 | 18" x 24" | 50# | 1,666 |
| 1139 | 20" x 30" | 50# | 1,200 |

CORRUGATED PUZZLES NEW

Die cut corrugated puzzles for assembly

- Enjoy building these 3-D puzzles
- Promotional event hand outs

Call for volume and personalized printed quote.



| PART # | DESCRIPTION | QTY/CASE |
|--------|----------------------|----------|
| 1550 | Bi-Plane | 50 |
| 1151 | Pilgrim Sailing Ship | 50 |

AIR BUBBLE WRAP AND CELLULOSE WADDING

AIR BUBBLE CUSHIONING WRAP



SELF DISPENSING BOX

- Protect fragile items
- Light weight bubbles reduce your shipping cost
- Wraps well around odd shaped items
- Dispenser box keeps the film clean and convenient to use
- Rolls are perforated every 12 inches



| PART # | SIZE | BUBBLE |
|--------|------------|--------|
| 134 | 12" x 100' | 5/16" |
| 135 | 12" x 175' | 3/16" |

INDUSTRIAL SIZE AIR BUBBLE



INDUSTRIAL SIZE AIR BUBBLE

| PART # | BUBBLE | BUBBLE USE | ROLL SIZE | ROLLS |
|--------|--------|--------------|------------|-------|
| 150 | 3/16" | Lightweight | 12" x 750' | 4 |
| 151 | 3/16" | Lightweight | 24" x 750' | 2 |
| 152 | 3/16" | Lightweight | 48" x 750' | 1 |
| 153 | 1/2" | Void Fill _" | 12" x 250' | 4 |
| 154 | 1/2" | Void Fill _" | 24" x 250' | 2 |
| 155 | 1/2" | Void Fill _" | 48" x 250' | 1 |

VERSA-PAK™ CELLULOSE WADDING



VERSA-PAK DISPENSER PACK

VERSA-PAK MASTER ROLL

- Versatile soft wadding easily wraps any sharp object
- Perforated every 12" and has an additional 6" zip perforation
- Multi-layer wadding absorbs oil and water. Non-abrasive
- Can be reused or recycled

COLOR: KRAFT, PERFORATED EVERY 12"

| PART # | DESCRIPTION | SLIT @ | FEET PER ROLL |
|--------|-------------|--------|---------------|
| 170 | 1/4" x 48" | 12" | 270 feet |

VERSA-PAK DISPENSER PACK

- Versa-Pak in an easy to use dispenser pack
- Great for workstation use. Portable.
- 200 feet per roll
- Color: Kraft, perforated every 12"

| PART # | DESCRIPTION | SLIT @ |
|--------|-------------|--------|
| 176 | 1/4" x 12" | 12 |

HOPPER & PEANUTS, VERMICULITE, WRAP AND CABLE TIES

LOOSE FILL DISPENSER HOPPER

Squeeze the spring-loaded scissors to release the right amount of loose fill

- Includes rope and 2 pulleys, mounts to warehouse ceiling
- Durable, rot resistant canvas bag has reinforced flexible tubing attached
- Dispenses all types of loose fill packing peanuts

| PART # | DESCRIPTION |
|--------|------------------------------------|
| 815 | 30 Cubic Foot Loose Fill Dispenser |
| 816 | 60 Cubic Foot Loose Fill Dispenser |
| 817 | 90 Cubic Foot Loose Fill Dispenser |
| 818 | Swivel Valve |
| 819 | 6" flexible tubing |

PACKING PEANUTS

- Regular FLO-PAK® – the clean peanut no breaks, no crumbling
- Heavy-duty FLO-PAK® – to protect heavier objects
- Biodegradable – packing peanut made from corn starch, dissolves in water



| PART # | DESCRIPTION | BAG |
|--------|--------------------|------------|
| 100 | Regular (FLO-PAK®) | 14 cu. ft. |
| 109 | Biodegradable | 12 cu. ft. |

DISPENSER HOPPER AND PACKING PEANUTS



VERMICULITE

- Recommended for shipping liquids
- Protects against shock
- 4 cubic foot bags

| PART # | GRADE |
|--------|-----------------|
| 195 | 4A Extra Course |
| 196 | 3A Course |
| 197 | 2A Medium |
| 198 | 1A Fine |



**UPS SHIP
OVERSIZE**

ADJUSTABLE STRETCH WRAP DISPENSER - SR550

Designed for stretch wrap on a 1½", 2" or 3" core, this deluxe extra heavy duty steel dispenser works with 16", 18" and 20" high rolls.

- Weight: 3 lbs.
- Core size: 1½", 2", 3"
- Height of roll: 16" – 20"

| PART # | DESCRIPTION | CASE QTY |
|--------|------------------|----------|
| 1302 | Hand Dispenser | 1 |
| 1303 | 18" Stretch Film | 4 |



These versatile fasteners can be used in countless applications wherever you need to bundle wires, cables or hoses. They can be joined together for even large diameters. Have minimum loop tensile strengths from 18 to 120 pounds.

| PART # | CROSS SECTION | SIZE L x W | MIN. LOOP TENSILE STRENGTH | BUNDLE DIAMETER | PKG QTY | CASE QTY |
|--------|---------------|--------------|----------------------------|-----------------|---------|----------|
| 668 | Minimum | 4" x .10" | 18 lbs. | 0.87" | 1,000 | 25,000 |
| 669 | Minimum | 6" x .10" | 18 lbs. | 1.25" | 1,000 | 25,000 |
| 670 | Economy | 8" x .14" | 40 lbs. | 2.00" | 1,000 | 10,000 |
| 671 | Economy | 14" x .14" | 40 lbs. | 4.00" | 1,000 | 5,000 |
| 672 | Lt. Heavy | 8.4" x .30" | 120 lbs. | 2.00" | 100 | 3,000 |
| 673 | Lt. Heavy | 14.5" x .30" | 120 lbs. | 4.00" | 50 | 2,000 |
| 674 | Lt. Heavy | 24" x .30" | 120 lbs. | 5.00" | 50 | 500 |

NYLON CABLE TIES



ZIPPER-LOCK BAGS, POLY BAGS, BAG SEALER

ZIPPER-LOCK POLY BAGS



Durable, 2 mil., multi-purpose poly bags allow clear view of contents. Low cost, reusable bags are waterproof and keep dirt and moisture away from contents.

| PART # | SIZE W x L | CASE QTY | PART # | SIZE W x L | CASE QTY |
|--------|------------|----------|--------|------------|----------|
| 617 | 2" x 3" | 1,000 | 602 | 6" x 6" | 1,000 |
| 616 | 3" x 3" | 1,000 | 610 | 6" x 9" | 1,000 |
| 600 | 3" x 4" | 1,000 | 603 | 7" x 10" | 1,000 |
| 615 | 3" x 5" | 1,000 | 604 | 8" x 8" | 1,000 |
| 614 | 4" x 4" | 1,000 | 609 | 8" x 10" | 1,000 |
| 601 | 4" x 6" | 1,000 | 605 | 9" x 12" | 1,000 |
| 613 | 4" x 8" | 1,000 | 608 | 12" x 15" | 1,000 |
| 612 | 5" x 7" | 1,000 | 607 | 16" x 18" | 1,000 |
| 611 | 5" x 8" | 1,000 | 606 | 18" x 24" | 1,000 |

POLY BAGS



Multi-purpose 2 mil polyethylene bags. Ideal for insulated box liners and product/refrigerant barrier with leak proof feature. Made of virgin polyethylene.

| PART # | SIZE W x L | CASE QTY | PART # | SIZE W x L | CASE QTY |
|--------|------------|----------|-----------------------------|----------------|----------|
| 618 | 2" x 3" | 1,000 | 642 | 8" x 10" | 1,000 |
| 619 | 2" x 8" | 1,000 | 649 | 8" x 12" | 1,000 |
| 620 | 3" x 3" | 1,000 | 654 | 9" x 10" | 1,000 |
| 621 | 3" x 4" | 1,000 | 655 | 9" x 12" | 1,000 |
| 622 | 3" x 5" | 1,000 | 656 | 10" x 12" | 1,000 |
| 623 | 3" x 6" | 1,000 | 644 | 10" x 14" | 1,000 |
| 624 | 4" x 4" | 1,000 | 657 | 10" x 16" | 1,000 |
| 625 | 4" x 5" | 1,000 | 658 | 10" x 18" | 1,000 |
| 626 | 4" x 6" | 1,000 | 659 | 12" x 12" | 1,000 |
| 627 | 4" x 8" | 1,000 | 660 | 12" x 16" | 1,000 |
| 628 | 4" x 12" | 1,000 | 661 | 12" x 18" | 1,000 |
| 629 | 5" x 7" | 1,000 | 662 | 12" x 24" | 1,000 |
| 630 | 5" x 8" | 1,000 | 646 | 14" x 18" | 1,000 |
| 631 | 5" x 12" | 1,000 | 663 | 14" x 24" | 1,000 |
| 632 | 6" x 6" | 1,000 | 639 | 14" x 36" | 500 |
| 633 | 6" x 8" | 1,000 | 647 | 16" x 20" | 1,000 |
| 634 | 6" x 9" | 1,000 | 664 | 18" x 18" | 1,000 |
| 641 | 6" x 10" | 1,000 | 665 | 18" x 30" | 500 |
| 635 | 6" x 12" | 1,000 | 648 | 22" x 30" | 500 |
| 636 | 6" x 16" | 1,000 | 645 | 24" x 26" | 200 |
| 637 | 7" x 10" | 1,000 | 643 | 24" x 36" | 250 |
| 638 | 7" x 14" | 1,000 | Bag Twist Ties, Coated Wire | | |
| 640 | 8" x 8" | 1,000 | 667 | Twist Tie 4" L | 2,000 |

BAG SEALER



These impulse sealers create a 2mm wide seal. Simply push down on the handle, when the indicator light goes out release the handle. The bag is sealed perfectly every time.

| PART # | MAX. SEAL LENGTH | MAX. SEAL THICKNESS | WATTS | WEIGHT |
|--------|------------------|---------------------|-------|---------|
| 1310 | 8" | 4 mil | 260W | 8 lbs. |
| 1311 | 12" | 5 mil | 380W | 11 lbs. |
| 1312 | 16" | 6 mil | 400W | 13 lbs. |

ADHESIVE GLUE DOTS AND DISPENSER

PRO2-80 HIGH TEMPERATURE (INDUSTRIAL GLUE GUN)

- Ergonomic comfort grip and long trigger
- Protective heat resistant nozzle cover
- Uses standard glue sticks.
- Operating temperature: 380° F
- Detachable wire stand.
- Delivers 2.5 pounds of glue per hour



| PART # | GLUE STICK DIAMETER | GLUE STICK LENGTH | WATTS | VOLTS |
|--------|---------------------|-------------------|-------|-------|
| 1052 | 7/16" Regular | 10" and 15" | 80 | 120 |

HE-750 HIGH TEMPERATURE (PROFESSIONAL GLUE GUN)

- Ergonomic comfort grip and long trigger
- Uses standard glue sticks.
- Operating temperature: 380° F
- Complete with removal wire stand.
- Ideal choice for light duty industrial and packaging applications.



| PART # | GLUE STICK DIAMETER | GLUE STICK LENGTH | WATTS | VOLTS |
|--------|---------------------|-------------------|-------|-------|
| 1150 | 7/16" Regular | 10" | 80 | 120 |

PRO8000A QUICK HEATING (INDUSTRIAL GLUE GUN)

- Ergonomic design long trigger for less effort.
- Lighted on and off switch.
- Integrated gun balancer mount hole.
- Heat resistant nozzle cover.
- Dual heaters and 180 watts of heating power that features a 2 minute quick heat up time.
- Stroke adjustment screw allows equal amounts of glue per squeeze.



| PART # | GLUE STICK DIAMETER | GLUE STICK LENGTH | WATTS | VOLTS |
|--------|---------------------|-------------------|-------|-------|
| 1053 | 7/16" Regular | 10" and 15" | 80 | 120 |

PRO2-220 ADJUSTABLE TEMPERATURE (INDUSTRIAL GLUE GUN)

- Ergonomic finger trigger design for less effort
- Temperature adjustment from 248° F to 428° F
- Integrated gun balancer mount hole
- Lighter On/Off switch
- Stroke adjustment screw – equal amounts of glue
- Includes: extra nozzle, wire stand and stroke adjustment screw.



| PART # | GLUE STICK DIAMETER | GLUE STICK LENGTH | WATTS | VOLTS |
|--------|---------------------|-------------------|-------|-------|
| 1151 | 7/16" Regular | 10" and 15" | 80 | 120 |

ADHESIVE SPRAY AND GLUE

SPRAY ADHESIVE PART # 1154

Industrial grade multi-purpose use to bond paper, cardboard, glass, metal, plastic, wood, fabric, floral foam and cork. Permanent or repositionable. Net Weight: 10 oz.



GLUE PART # 1155

Extra thick glue for superior bonding and flexibility. Bonds to metal, plastic, wood, glass, ceramics, fabric, vinyl. 2.0 fl. oz. tube.

GLUE DABS

Pre-made pressure sensitive dabs of adhesive - no need to heat up the glue gun. For temporary or permanent assembly applications. 6,000 dabs per box. Each dab is approximately 3/8" in diameter. Available in 4 formulas.



| PART # | FORMULA | DESCRIPTION |
|--------|-----------------|---|
| 1145 | Low Tack | Temporary bonding; easily removes from surface |
| 1146 | Medium Tack | Temporary bonding; removable |
| 1147 | High Tack | High strength; still removable from most surfaces |
| 1148 | Super High Tack | Permanent bonding to most surfaces |



PERSONAL MINI GLUE GUN KIT

- Includes: dual temperature mini glue gun and 12 - mini (.27") 4" all-temperature glue sticks

PART # 1152

MINI GLUE GUN GLUE STICKS

- All-Temperature Clear 5/16" Diameter
- All Purpose 4" Glue Stick 100 Sticks Per Bag

PART # 1153



GLUE STICKS, APPLICATORS, KNIVES & BLADES

GLUE STICKS

601 Low-Melt Glue Sticks

- Fast set time with excellent hot tack
- Low temperature adhesive for sealing corrugated cartons, wood, coated paper and ideal for gluing foam.
- Bonds to most porous materials.



701 Fast Set Glue Sticks

- Quick 15 second bonding range
- Hot melt adhesive for packaging and sealing corrugated cartons for medium to larger cartons.
- Bonds to most porous materials such as wood, paper and cloth.

725 All-Purpose/All Temperature Glue Sticks

- Works in either low temperature (250°F) or high temperature (380°F)
- Bonds to porous and non porous, ribbon, floral foam, paper, silk flowers and wood
- 60 second bonding range

925 Acrylic Hot-Melt Glue Sticks

- Unique high performance adhesive for superior bonding to hard and bond surfaces
- Bonds to concrete, vinyl, metal, rubber, tile, stone, ceramic, leather, melamine, coated papers, foil, wood, nylon, fabric, glass plastics and more
- Bonds in cold and frozen applications
- 60-80 second bonding range

| PART # | TYPE | GLUE STICK SIZE | COLORS | QTY PER CASE |
|--------|--------------|-----------------|--------|--------------|
| 1048 | Low-Melt 601 | 7/16" x 15" | Tan | approx. 90 |
| 1049 | Low-Melt 701 | 7/16" x 10" | Tan | approx. 90 |
| 1050 | Hot-Melt 725 | 7/16" x 10" | Clear | approx. 90 |
| 1051 | Hot-Melt 925 | 7/16" x 10" | Clear | approx. 90 |

UTILITY KNIVES AND BLADES

MODEL 1313 CUTTER

All Metal Heavy Duty Safety Spring-Back Blade Utility Knife. Blade notch allows for the cutting of stretch wrap or twine without extending the blade. Uses 1319 Blade.



MODEL 1314 CUTTER

All Metal Rugged Fully Retractable All Purpose Utility Knife. Multiple blade length settings. Perfect for industrial, maintenance, shipping rooms, construction and anywhere a durable cutter is needed. Uses 1319 Blade.



MODEL 1315 CUTTER

Industrial Heavy Duty Retractable Snap Off Blade Box Cutter. Ideal for most industrial, maintenance and shipping room applications. Uses Style 1320 Blade.



MODEL 1316 CUTTER

Ultra Rugged Industrial Retractable Snap Off Blade Box Cutter. Protective and comfortable thick plastic jacket. Constructed for the toughest heavy duty cutting applications. Uses Style 1320 Blade.



MODEL 1317 CUTTER

All Metal Tap Knife. A lightweight compact all steel slide cutter. The inexpensive blade can be reversed or changed in seconds. Uses Style 1318 Blade.



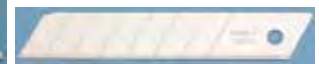
REPLACEMENT BLADES



1318



1319



1320

| PART # | DESCRIPTION | CASE QTY | REPLACEMENT BLADES | CASE QTY |
|--------|--|----------|--------------------|----------|
| 1313 | All Metal Heavy Duty Safety Spring-Back | 12 | 1319 | 100 |
| 1314 | All Metal Rugged Fully Retractable | 12 | 1319 | 100 |
| 1315 | Industrial Heavy Duty Retractable Snap Off Blade | 12 | 1320 | 100 |
| 1316 | Ultra Rugged Industrial Retractable Snap Off Blade | 12 | 1320 | 100 |
| 1317 | All Metal Tap Knife | 12 | 1318 | 100 |

PAPER GUM TAPE AND MACHINES, COLD TEMP TAPE

INTERTAPE REINFORCED PAPER GUM TAPE



Fiberglass reinforced tape is known for its excellent performance in high speed, overfill and underfill applications.

- Consistent adhesive, coating and lamination
- Paper moisturized reduces curl, increases tape stretch & makes tape more flexible
- Larger 1 5/8" diameter cores assure a tighter wind and full roll utilization (no curl)
- Dispenses on all water activated paper gum tape machines

IPG - ECONOMY GRADE (FOR SEALING 20 LB BOXES)

| PART # | W X L | COLOR | ROLLS PER CASE | CASES PER SKID |
|--------|-------------|-------|----------------|----------------|
| 1087 | 70mm x 450' | Kraft | 10 | 60 |
| 1088 | 70mm x 450' | White | 10 | 60 |

IPG - HEAVY-DUTY GRADE (FOR SEALING 35 LB BOXES)

| PART # | W X L | COLOR | ROLLS PER CASE | CASES PER SKID |
|--------|---------------|-------|----------------|----------------|
| 1078 | 2 1/2" x 450' | Kraft | 12 | 60 |
| 1079 | 3" x 375' | Kraft | 8 | 75 |
| 1080 | 3" x 375' | White | 8 | 75 |
| 1081 | 3" x 450' | Kraft | 10 | 60 |
| 1082 | 3" x 450' | White | 10 | 60 |
| 1083 | 3" x 500' | Kraft | 12 | 60 |

INTERTAPE NON-REINFORCED PAPER GUM TAPE

Secure closure for sealing light-weight cartons.

- Generous 600' roll length means fewer roll changes
- Water activated vegetable adhesive

IPG - STANDARD GRADE PAPER GUM TAPE

| PART # | W X L | COLOR | PAPER WEIGHT | ROLLS PER CASE | CASES PER SKID |
|--------|---------------|-------|--------------|----------------|----------------|
| 1072 | 2" x 600' | Kraft | 60# | 15 | 60 |
| 1073 | 2" x 600' | White | 60# | 15 | 60 |
| 1074 | 2 1/2" x 600' | Kraft | 60# | 12 | 60 |
| 1075 | 2 1/2" x 600' | White | 60# | 12 | 60 |
| 1076 | 3" x 600' | Kraft | 60# | 10 | 60 |
| 1077 | 3" x 600' | White | 60# | 10 | 60 |

INTERTAPE COLD TEMPERATURE CARTON SEALING TAPE



7151QT PRODUCTION GRADE COLD TEMPERATURE TAPE

- Recommended in the dairy, meat and frozen food industries, where superior adhesion properties are required for long term storage
- Complies with FDA Act CFR Title 21, Subpart B, Par. 175, 105

| PART # | W x L | COLOR | MIL | ROLLS PER CASE | CASE PER SKID |
|--------|------------------|-------|------|----------------|---------------|
| 1173 | 2" x 110 yards | Clear | 1.95 | 36 | 45 |
| 1174 | 3" x 110 yards | Clear | 1.95 | 24 | 45 |
| 1175 | 2" x 1,000 yards | Clear | 1.95 | 6 | 48 |

PHOENIX PAPER GUM TAPE MACHINES



PHOENIX ELECTRIC PAPER GUM TAPE MACHINE

| PART # | TAPE WIDTHS | DESCRIPTION |
|--------|-------------|--------------------------|
| 1092 | 1" - 3" | Electric with Heater |
| 1093 | | Replacement Brush |
| 1180 | | Replacement Water Bottle |

PHOENIX MANUAL PAPER GUM TAPE MACHINE

| PART # | TAPE WIDTHS | DESCRIPTION |
|--------|-------------|--------------------------|
| 1094 | 1" - 3" | Manual |
| 1095 | 1" - 3" | Manual with Heater |
| 1096 | | Replacement Brush |
| 1181 | | Replacement Water Bottle |

CARTON TAPE

Super strong, pressure sensitive, polypropylene tape for economical, repetitive, volume packing.

- Hot melt adhesive provides a quiet release, easy unwind and extra elongation for help in sealing irregular shapes
- Excellent performance on over-stuffed cartons
- Adheres well to film
- Application temperatures range 45° – 110° F.
- Service temperatures range 10° – 120° F.

IPG 400 - 2.1 MIL ACRYLIC CARTON SEALING TAPE

| PART # | W x L | COLOR | ROLLS PER CASE | CASES PER SKID |
|--------|------------------|-------|----------------|----------------|
| 1054 | 2" x 55 yards | Clear | 36 | 108 |
| 1055 | 2" x 55 yards | Tan | 36 | 108 |
| 1056 | 2" x 110 yards | Clear | 36 | 90 |
| 1057 | 2" x 110 yards | Tan | 36 | 90 |
| 1058 | 3" x 110 yards | Clear | 24 | 90 |
| 1059 | 2" x 1,000 yards | Clear | 6 | 48 |

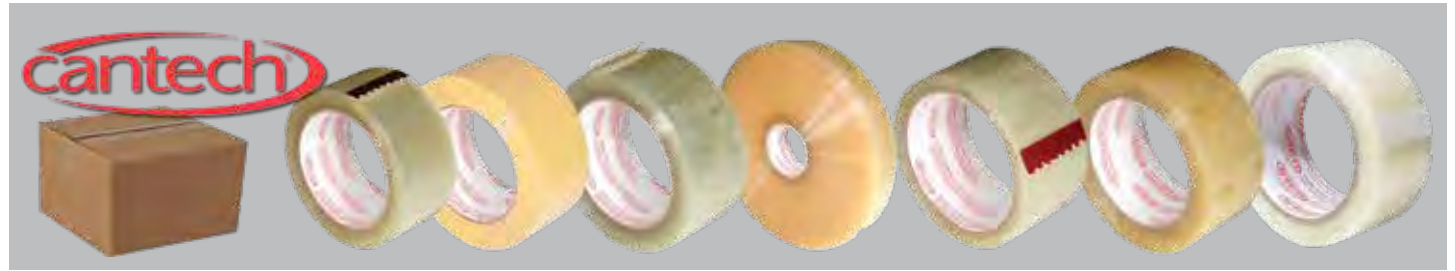
INTERTAPE® INDUSTRIAL CARTON SEALING TAPE



IPG 291 - 2.5 MIL ACRYLIC CARTON SEALING TAPE

| PART # | W x L | COLOR | ROLLS PER CASE | CASES PER SKID |
|--------|------------------|-------|----------------|----------------|
| 1066 | 2" x 55 yards | Clear | 36 | 54 |
| 1067 | 2" x 110 yards | Clear | 36 | 45 |
| 1068 | 2" x 1,000 yards | Clear | 6 | 24 |

HOT MELT CARTON SEAL TAPE **NEW**



1.6 MIL

| PART # | W x L | COLOR | ROLLS PER CASE | LBS. PER CASE |
|--------|----------------|-------|----------------|---------------|
| 1350 | 2" x 110 yards | Clear | 36 | 18 |
| 1351 | 3" x 110 yards | Clear | 24 | 22 |

1.8 MIL

| PART # | W x L | COLOR | ROLLS PER CASE | LBS. PER CASE |
|--------|----------------|-------|----------------|---------------|
| 1352 | 2" x 55 yards | Clear | 36 | 12 |
| 1353 | 2" x 55 yards | Tan | 36 | 12 |
| 1354 | 2" x 110 yards | Clear | 36 | 22 |
| 1355 | 2" x 110 yards | Tan | 36 | 22 |
| 1356 | 3" x 110 yards | Clear | 24 | 22 |
| 1357 | 3" x 110 yards | Tan | 24 | 22 |

2.0 MIL

| PART # | W x L | COLOR | ROLLS PER CASE | LBS. PER CASE |
|--------|----------------|-------|----------------|---------------|
| 1358 | 2" x 55 yards | Clear | 36 | 14 |
| 1359 | 2" x 55 yards | Tan | 36 | 14 |
| 1360 | 2" x 110 yards | Clear | 36 | 26 |
| 1361 | 2" x 110 yards | Tan | 36 | 26 |
| 1362 | 3" x 110 yards | Clear | 24 | 26 |
| 1363 | 3" x 110 yards | Tan | 24 | 26 |

- Excellent adhesion to corrugated at varied temperatures
- Easy/Quiet release
- Variety of thicknesses for various carton weights or performances
- Mfg USA and Canada

SAVE BIG OVER NAME BRAND TAPES

KEEP THE DIFFERENCE IN YOUR BUDGET

2.5 MIL

| PART # | W x L | COLOR | ROLLS PER CASE | LBS. PER CASE |
|--------|----------------|-------|----------------|---------------|
| 1364 | 2" x 55 yards | Clear | 36 | 12 |
| 1365 | 2" x 110 yards | Clear | 36 | 22 |
| 1366 | 3" x 110 yards | Clear | 24 | 22 |

3.0 MIL

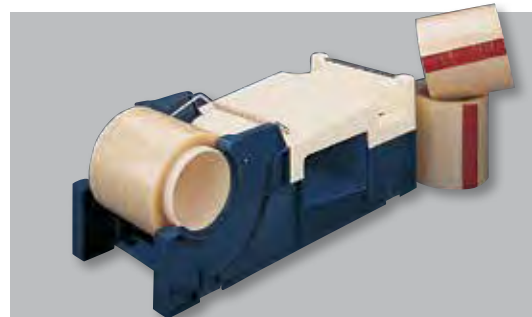
| PART # | W x L | COLOR | ROLLS PER CASE | LBS. PER CASE |
|--------|----------------|-------|----------------|---------------|
| 1367 | 2" x 55 yards | Clear | 36 | 14 |
| 1368 | 2" x 110 yards | Clear | 36 | 26 |
| 1369 | 3" x 55 yards | Clear | 24 | 22 |

LABEL PROTECTION, ALL PURPOSE AND FILAMENT TAPE

- Crystal clear label protection.
- High tack adhesive – aggressively attaches to plastic, paper, and metal
- Ease of application
- Water resistant

| PART # | DESCRIPTION | MIL | ROLLS/CASE | LBS/CASE |
|--------|--------------------|-----|------------|----------|
| 1181 | 4" x 72 yards | 1.8 | 18 | 15 |
| 1171 | 5" x 72 yards | 1.8 | 12 | 14 |
| 1191 | 6" x 72 yards | 1.8 | 12 | 17 |
| 1192 | 4" Table Dispenser | | 1 | 2 |
| 1193 | 6" Table Dispenser | | 1 | 3 |

LABEL PROTECTION TAPE



GENERAL ALL PURPOSE TAPES

| PART # | DESCRIPTION | MIL | CARTON QTY | WEIGHT |
|--------|---------------------------------|-----|------------|---------|
| 1327 | Masking Tape 3/4" x 60 yards | 5.5 | 48 | 11 lbs. |
| 1328 | Masking Tape 1" x 60 yards | 5.5 | 36 | 11 lbs. |
| 1329 | Masking Tape 2" x 60 yards | 5.5 | 24 | 14 lbs. |
| 1330 | Duct Tape 2" x 60 yards | 8.5 | 24 | 32 lbs. |
| 1395 | Economy Duct Tape 2" x 60 yards | 7.0 | 24 | 28 lbs. |



PRESSURE SENSITIVE ADHESIVE KRAFT TAPE

- Stronger than masking tape
- No water or dispensers needed
- Just apply by hand
- Easy to use

| PART # | DESCRIPTION | TENSILE STRENGTH | ROLLS/CASE | LBS/CASE |
|--------|---------------|------------------|------------|----------|
| 1370 | 2" x 60 yards | 50 lb | 24 | 25 |
| 1371 | 3" x 60 yards | 50 lb | 16 | 24 |

PRESSURE SENSITIVE TAPE



This industrial tape is reinforced with glass filaments for super strength.

- Filament tape is strong yet flexible
- Great for bundling shipments
- Strong adhesive tape holds products together better than string or twine
- Excellent for sealing packages

| PART # | W x L | TENSILE STRENGTH | ROLLS PER CASE |
|--------|-----------------|--------------------|----------------|
| 1159 | 1/2" x 60 yards | 110 lbs./in. width | 72 |
| 1160 | 1/2" x 60 yards | 110 lbs./in. width | 18 |
| 1161 | 3/4" x 60 yards | 110 lbs./in. width | 48 |
| 1162 | 3/4" x 60 yards | 110 lbs./in. width | 12 |
| 1163 | 1" x 60 yards | 110 lbs./in. width | 36 |
| 1164 | 1" x 60 yards | 110 lbs./in. width | 9 |
| 1165 | 2" x 60 yards | 110 lbs./in. width | 24 |
| 1166 | 2" x 60 yards | 110 lbs./in. width | 6 |

FILAMENT TAPE

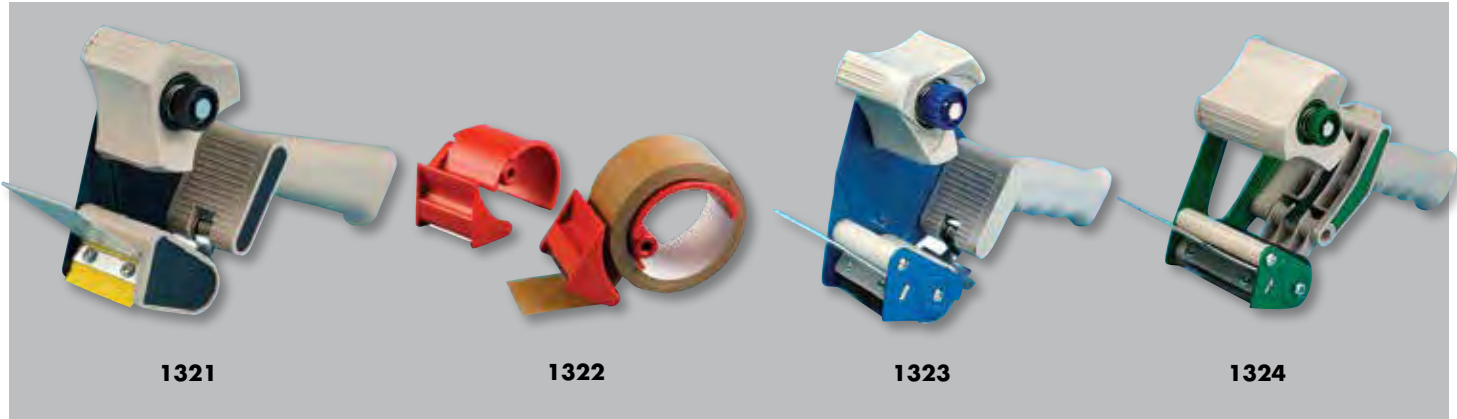


INDUSTRIAL FILAMENT TAPE DISPENSERS

| PART # | DESCRIPTION |
|--------|----------------------|
| 1167 | 1" Plastic Dispenser |
| 1168 | 1" Metal Dispenser |
| 1326 | 2" Plastic Dispenser |

TAPE DISPENSERS AND MANUAL LABEL DISPENSERS

TAPE DISPENSERS



PART # 1321 — PREMIUM MOST POPULAR

Natural rubber roller, hardened all steel heavy gauge blade, heavy duty frame, for durability, available with an adjustable tension brake and our patented safety shield.

PART # 1322 — ECONOMY

Provides an easy economical way to dispense 2 inch wide carton sealing tape. Made from hi-impact plastic and a hardened blade and is perfect for on the spot application of tape.

PART # 1323 — HAND ECONOMY

Versatile solid steel frame tape gun with adjustable brake. Lightweight, more rugged and will last longer than other dispensers and is designed for tapes up to 2 inch wide.

PART # 1324 — HEAVY-DUTY

Professional heavy duty all steel frame tape gun for tape up to 3 inch wide. Designed for high productivity applications, has a hardened blade, natural rubber roller and molded finger grip.

| PART # | DESCRIPTION | TAPE SIZE |
|--------|------------------------|-----------|
| 1321 | Premium Most Popular | 2" |
| 1322 | Economy | 2" |
| 1323 | Hand Economy | 2" |
| 1324 | Heavy-Duty | 3" |
| 1325 | Heavy-Duty (not shown) | 3" |

AUTOMATIC LABEL DISPENSERS



SH-400
• LABEL ROLL
DIAMETER: 12"



SH-404TR
• LABEL ROLL
DIAMETER: 9 1/4"

SH-400

Ultra-economical pressure sensitive label dispenser is perfect for labels up to 6 inch wide. Easy to adjust and requiring no tools, the specially designed extra sensitive micro-switch senses the edge of the label as it is fed and stops the motor exactly at the same point each cycle. Works on all types, styles and shapes of die-cut and butt-cut labels on a 1" or 3" core.

- Speed: 240 inches per minute
- Power: 110 Volt

| PART # | L x W x H | MINIMUM LABEL SIZE W x L | MAXIMUM LABEL SIZE W x L | WEIGHT |
|--------|---------------------|--------------------------|--------------------------|---------|
| 1342 | 12" x 10 1/2" x 10" | 3/8" x 5/8" | 6" x 9" | 12 lbs. |

SH-404TR

Premium label dispenser, peels, releases and advances all types of butt-cut and die-cut labels either opaque or transparent on rolls or fan-folded. When an operator removes one label the next one is automatically dispensed. Designed using optical-reader reliability, can feed all labels whether they are large or small, opaque or transparent, irregular shaped or round. Large roll capacity, high speed motor, heavy duty construction and automatic liner re-winder are all features of this machine.

- Speed: 240 inches per minute
- Power: 110 Volt

| PART # | L x W x H | MINIMUM LABEL SIZE W x L | MAXIMUM LABEL SIZE W x L | WEIGHT |
|--------|-----------------|--------------------------|--------------------------|---------|
| 1341 | 14" x 10" x 11" | 3/8" x 5/8" | 6" x 14" | 13 lbs. |

LABEL DISPENSERS, PACKING LIST AND ENVELOPES

GENERAL PURPOSE LABEL DISPENSER

- Built of Heavy-duty Plastic
- Dispenses labels easily & efficiently
- Simple to load and thread
- Available in 2", 4", 6" and 10" widths

| PART # | LABEL WIDTH | WEIGHT |
|--------|-------------|--------|
| LDM202 | 2" | 2 lbs. |
| LDM204 | 4" | 2 lbs. |
| LDM206 | 6" | 3 lbs. |
| LDM210 | 10" | 3 lbs. |

ECONOMY LIGHT WEIGHT LABEL DISPENSERS



PDL SERIES

Non-slip feet to hold the dispenser securely to any bench top. Heavy duty metal construction and roll separators allowing for multiple label roll use.

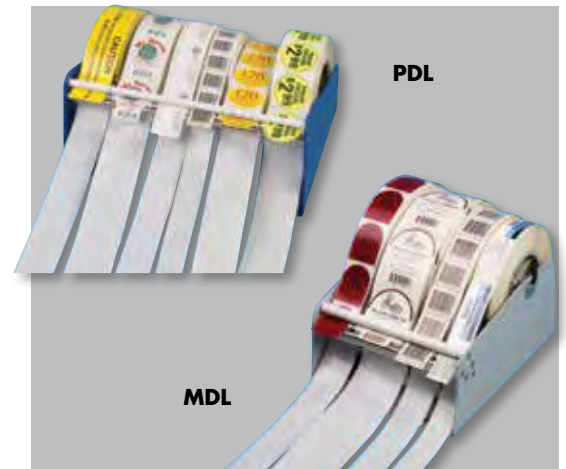
| PART # | WIDTH | PART # | WIDTH |
|--------|-------|--------|-------|
| 1331 | 3" | 1334 | 8½" |
| 1332 | 4½" | 1335 | 12½" |
| 1333 | 6½" | | |

MDL SERIES

Use as either a bench mount or mounted on a wall. This large roll capacity all steel machine can handle roll diameters up to 7 inch on a 1 inch core. Machine has 3 inch core holders.

| PART # | WIDTH | PART # | WIDTH |
|--------|-------|--------|-------|
| 1336 | 3½" | 1339 | 8½" |
| 1337 | 4½" | 1340 | 12½" |
| 1338 | 6½" | | |

DURABLE METAL LABEL DISPENSERS

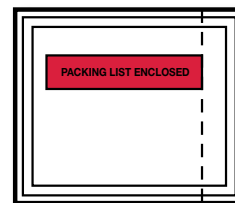


PACKING LIST AND SHIPPING ENVELOPES

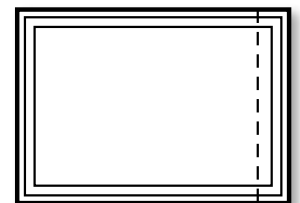
Made of tough polyethylene with aggressive permanent adhesive. Back loading style. 1000 per case.



130 - 4½" x 5½"



131 - 4½" x 5½"



136 - 4½" x 6"



119 - 5½" x 10"



137 - 4½" x 6"



120 - 10¾" x 6¾"

STRETCH FILM, SHRINK WRAP FILM AND EQUIPMENT

EXTENDED CORE STRETCH FILM

EXTENDED CORE STRETCH FILM DOES NOT REQUIRE A DISPENSER.

- Complete disposable hand wrap system.
- Extended 4½" core acts as handles.
- Quiet and ultra clear cast film.



| PART # | W x L | GAUGE | FILM COLOR | ROLLS PER CASE |
|--------|--------------|-------|------------|----------------|
| 1400 | 20" x 1,000' | 70 | Clear | 4 |
| 1417 | 30" x 1,000' | 70 | Clear | 4 |
| 1402 | 15" x 1,000' | 80 | Clear | 4 |
| 1403 | 20" x 1,000' | 80 | Clear | 4 |
| 1404 | 30" x 1,000' | 80 | Clear | 4 |

BUNDLING STRETCH FILM

NARROW WIDTH, USE TO BUNDLE SMALL LIGHT-WEIGHT PRODUCTS FOR SHIPMENT.

- Faster and more economical to use than tape, strapping or twine.
- One plastic dispenser is included in each case.
- Dispenser can be used with 3" or 5" Narrow Width Bundling Stretch Film.
- Quality quiet cast stretch film.



| PART # | W x L | GAUGE | ROLLS PER CASE |
|--------|-------------|-------|----------------|
| 1405 | 3" x 1,000' | 80 | 18 |
| 1406 | 5" x 1,000' | 80 | 12 |

SHRINK WRAP EQUIPMENT



SUPER-SEALER® SYSTEMS

- Heavy-duty steel construction features a built-in adjustable timer with LED light. UL listed.
- Super-Sealer System includes: Bag sealer, #SWSVAR Heat Gun, 200' of 75 gauge PVC film and 1 service kit.
- Super-Sealer Service Kit includes: Sealing pad, (5) 3 Mil Teflon® tape strips, (3) 10 Mil Teflon® tape strips, wire, micro switch, arm spring and fuse.

| SYSTEM PART # | SERVICE KIT PART # | SEAL WIDTH |
|---------------|--------------------|------------|
| 1407 | 1420 | 13" |
| 1408 | 1421 | 18" |

HEAT GUNS

- Use for a variety of applications including heating shrink film and removing paint or varnish. UL listed.

| PART # | DESCRIPTION | HIGH TEMPERATURE | LOW TEMPERATURE |
|--------|----------------------|------------------|-----------------|
| 1409 | Variable Temperature | 1,100°F | 250°F |

Exlfilmplus SHRINK FILM

EXCELLENT PERFORMANCE ON ALL TYPES OF MANUAL, SEMI-AUTO AND AUTOMATIC EQUIPMENT

- Multi-layer, biaxially oriented shrink film requires no dwell time.
- High gloss appearance and excellent clarity.
- Puncture resistant, centerfold shrink film.
- Works well on irregularly shaped items.
- Meets FDA requirements for direct food contact.
- Great for cold temperature shortage applications.
- Approved for mailings by the U.S. Postal Service.



60 GAUGE EXLFILMPLUS™ SHRINK FILM

| PART # | W x L | ROLLS PER CASE |
|--------|--------------|----------------|
| 1410 | 6" x 4,375' | 2 |
| 1411 | 8" x 4,375' | 2 |
| 1412 | 10" x 4,375' | 2 |
| 1413 | 12" x 4,375' | 1 |
| 1414 | 14" x 4,375' | 1 |
| 1415 | 16" x 4,375' | 1 |
| 1416 | 18" x 4,375' | 1 |

PLANT PROTECTION AND FAUCET COVER

PROTECT YOUR FLOWERS AND PLANTS FROM HARSH WINTERS

Polar Safe - Industrial strength EPS foam plant protection systems against

- Protection against freezing temperatures and animals and pesky critters
- Reusable

Durable for year after year use. Secure plant cone into ground using hold down anchors

| PART # | DESCRIPTION | DIMENSIONS |
|--------|-------------------------------------|----------------------|
| 1505 | Standard – Freeze Temperature | 12" x 12" x 14" high |
| 1506 | Medium – Sub Freeze Temperature | 16" x 16" x 18" high |
| 1507 | Large – Extreme Freeze Temperature | 18" x 18" x 20" high |
| 1508 | Extra Hold Down Anchors – 20/bundle | --- |

EPS FOAM PLANT PROTECTION SYSTEMS



Protects outside faucet from freezing.

Polar Safe – Industrial large faucet insulated cover — Protects below sub-zero temperatures

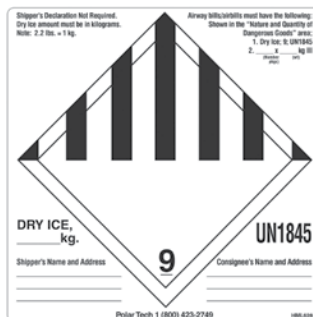
- Quick and Easy to use
- Double wire tie secure
- Re-use year after year

Part # 1509 Large faucet cover

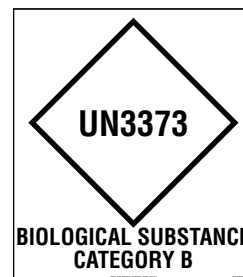
INSULATED FAUCET COVER



FOR A COMPLETE LISTING OF LABELS, STARTING ON PAGE 44



HML628 6" x 6"



BHM527 – 3 1/2" x 4"



BHM314 – 3" x 2"

CUSTOM APPLICATIONS

We understand that your image is everything.

This is especially true in the final presentation of your product.

Knowing this enables us to work with you in selecting the shipping system that is not only functional but also enhances your product among its competitors.

We address this need with many customizing options within our varied stock product line.

For more detailed assistance, please contact our customer representatives at **1-800-423-2749**

FOAM CONTAINERS

Our EPS foam containers can be embossed on the lid with your logo as a permanent design.

Great for customer impression, recognition and re-use as a personal cooler with your memorable company logo visible.

REFRIGERANT PACKS

Add promotional impact and increased market exposure by using our ICE-BRIX® gel refrigerant packs.

Your logo or design can be imprinted on these bags in red, green, blue or black. Low minimum runs, small set-up charge required. 4 color process is available, call for details.

PANELS & INSERTS

When our stock sizes are not close enough to fit your product or you require special protection, we still have options available to you.

We inventory EPS foam and polystyrene foams that can be cut to any thickness to line a custom-sized box to meet your packaging requirements.

Custom Pads and/or Inserts can assist with specific product placements and protection.

CUSTOM CORRUGATED

Our Carry Packs and other corrugated products can all be printed to your specifications.

It's a safe and impressive way to transport your perishables. Taken home via train, airline, bus—portable advertising.

Ideal for any industry: Seafood, Steaks, Gourmet Chocolates, Pastries or Dairy Products



PERISHABLE PACKAGING ASSISTANCE

TEMPERATURE CONVERSION CHART

| | | | | | | | | | | | | | |
|----|-----|-----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| C° | 50 | 40 | 30 | 20 | 10 | 0 | -10 | -20 | -30 | -40 | -50 | -60 | -70 |
| F° | 120 | 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 | -10 |

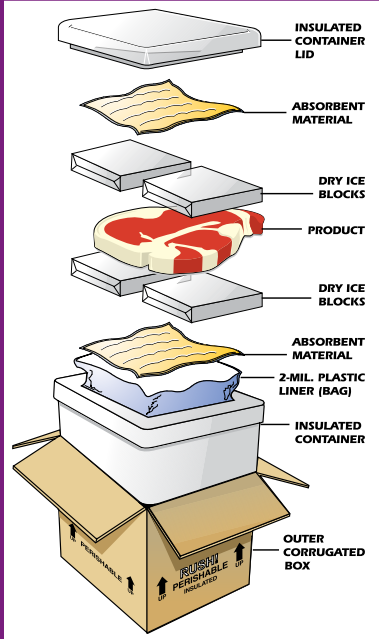
Perishable Packaging Assistance

Packaging should never be taken lightly. To have an impact, packaging must assert itself. Manufacturers often think of packaging as an expense but it is one of their most important investments. Perishable packaging carries enormous responsibilities. Our packaging designers will work with you to protect your product from both internal and external damage during transport, not to mention temperature protection. We have developed programs combined with our sophisticated

test labs to assist in determining the most effective packaging for each shipping situation. With continual testing of all containers and refrigerants, we suggest containers with the appropriate wall thickness, as well as type and amount of refrigerant required for your chosen mode of transportation. See back cover for all sizes, dimensions and part numbers. Always call with questions, for more Frequently Asked Questions, visit our web-site at www.polar-tech.com

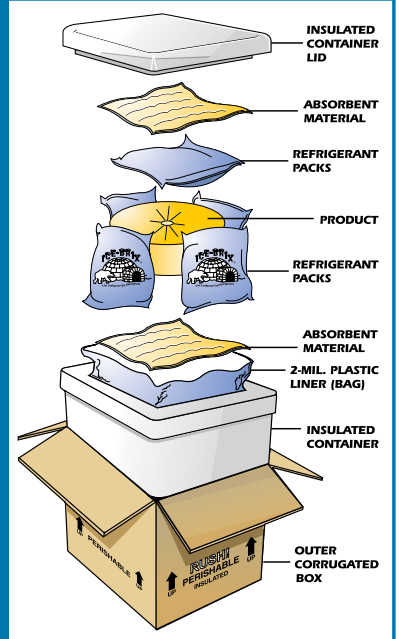
DRY ICE - FROZEN

A general guide for use with Block Dry Ice is: Dry Ice sublimates approximately 3 to 5 pounds per day. The larger the shipment or container, the more dry ice that is generally required. You should surround your product (top, bottom, & sides) for uniform freezing. Pellet, rice & crushed dry ice requires additional pounds per day, due to it's faster sublimation.



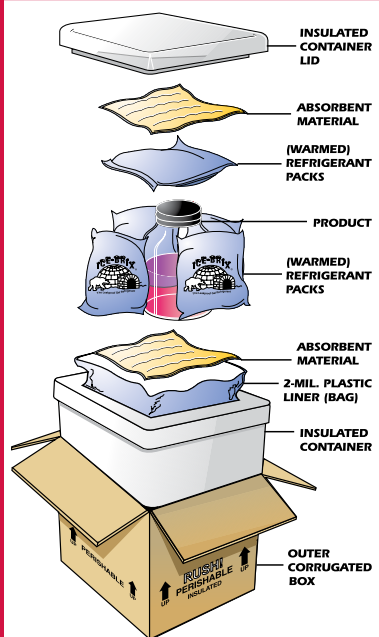
REFRIGERANT PACKS - CHILLED

The general guide for refrigerant packs is a min. of 1:5 to 1:3 pound ratio of refrigerant to product. Larger shipments or containers may require additional refrigerant packs. For best results, surround products for optimum performance during shipping. Special consideration for temperature and climate seasonal changes may require more or less refrigerant packs.



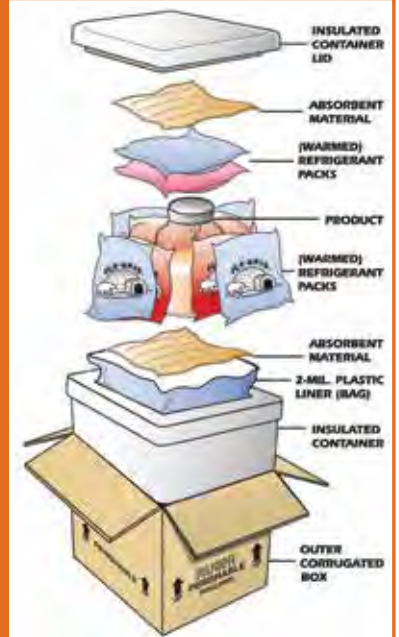
WARMING - HEAT SINK

Prevent your products from freezing by heating refrigerant packs in boiling water or on 'Low' heat microwave setting. This is called a "Heatsink", and can be used to ship products in the Winter that might freeze in shipment. For best results, surround your product on all sides with 68°F or higher warm packs for extended shipping times.



CONTROLLED TEMP. RANGE

The general guide for refrigerant packs cold/warm and frozen is a minimum of 1:3 lb ratio of refrigerant to product. Larger shipments or containers may require additional refrigerant packs. For best results, surround products with cold/warm refrigerants and frozen to the surrounding cold/warm packs, for controlled temperature performance. For best results we recommend testing to adjust amounts for the desired results.



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Genoa, IL 60135

1-800-ICE-BRIX

www.polar-tech.com

More NEW products, more new sizes, more new proven solutions.

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