

Your product choice starts here ...

For more than fifty years, 3M industrial adhesives, label materials and specialty products have been helping companies worldwide increase production efficiency and improve product performance, appearance and identification.

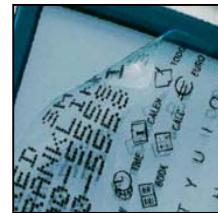
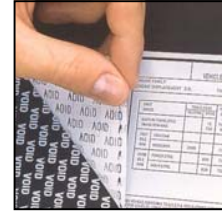
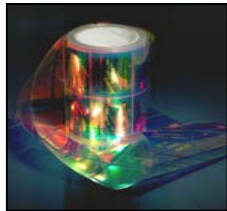
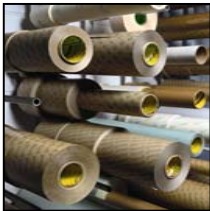
Today, 3M Converter Markets is a single resource for a versatile and comprehensive range of products and solutions for the graphic converting industry.

In this guide, you will find the core range of our label materials, flexographic mounting tapes, radiant light films, laminating adhesives and membrane switch spacer tapes.

If you can't find exactly what you're looking for, call us for information on our wider product range. Did you know, for example, that within our label materials product range, we have over 150,000 possible product combinations?

3M has been a global leader in adhesive technology for over 100 years. That's why our diverse customer base looks towards 3M for practical and ingenious solutions to provide competitive advantages in a rapidly changing marketplace.

“Practical, Ingenious Solutions that help you succeed”



“RoHS compliant” means that the product or part does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by the Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.



3M™ Label Materials


Overview

Your label material choice starts here ...


Today's narrow web printing world is increasingly complex – new materials, new printing technology and ever-increasing change in the demands of our customers.

Finding the right materials for your customers' needs is easier than ever, with more than 150,000 combinations of 3M adhesives, top-coats, face materials and liners, including a comprehensive listing of UL, cUL and CSA recognised components, for applications in electronics, automotive, logistics, chemical and pharmaceutical, laboratory, engineering and many other market sectors.

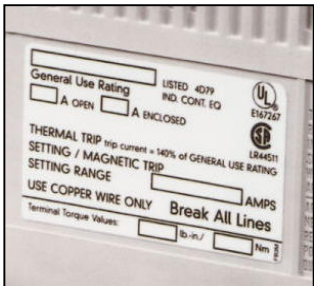
For ease of product choice and understanding, our label materials are categorised and colour coded in this guide as follows:

 **Primary Range:** is a product range for performance applications and is the starting point in your product selection

 **General Industrial Range:** is a product range for general purpose or volume applications

 **General Range:** is a product range manufactured on the traditional Hillington business model for performance or general purpose applications.

This product guide contains our core range and our most popular product combinations. If your requirements cannot be met from these products, contact us.



For the latest information on our Label Materials, check out our web-site:

www.3m.com/uk/labels



3M™ Thermal Transfer Printable Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

PRIMARY RANGE

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
5770	Thermal transfer printable face material with high stability adhesive. Offers permanent adhesion, yet is removable from many surfaces.	PET, Matt White	3M 550	90gsm Densified Kraft	UL CSA, RoHS
7810EH	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Excellent adhesion to LSE substrates.	PET, Matt White	3M 300E	90gsm White Glassine	UL cUL, RoHS
7815EB	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Matt White	3M 310E	62gsm White Glassine	UL cUL, RoHS
7815EH	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Matt White	3M 310E	90gsm White Glassine	UL cUL, RoHS
7870E	Face material is top-coated with a highly durable top-coat, capable of withstanding harsh chemicals encountered in both electronic and automotive sector applications. When printed with specific ribbons, image remain legible after rubbing with toluene, brake fluids, fuels.	PET, Matt White	3M 350E / 27gsm	90gsm White Glassine	RoHS
7874EC	350E adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. plastics or powder coats. Top-coat resistant to harsh chemicals such as brake fluid.	PET, Matt White	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS
76610	350E adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. plastics or powder coats. Top-coat resistant to harsh chemicals such as brake fluid.	PET, Matt White	3M 350E / 20gsm	62gsm White Glassine	UL cUL, RoHS

POLYESTER, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
5771	Thermal transfer printable face material with high stability adhesive. Offers permanent adhesion, yet is removable from many surfaces.	PET, Gloss White	3M 550	90gsm Densified Kraft	UL CSA, RoHS
7816E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Gloss White	3M 310E	62gsm White Glassine	UL cUL, RoHS
7816EH	Same as 3M 7816E, but with 90gsm liner.	PET, Gloss White	3M 310E	90gsm White Glassine	UL cUL, RoHS
7860E	Durable face material for harsh environments. Excellent adhesion to LSE plastics.	PET, Gloss White	3M 300E	62gsm White Glassine	UL cUL, RoHS

7860EH	Same as 3M 7860E, but with 90gsm liner.	PET, Gloss White	3M 300E	90gsm White Glassine	UL cUL, RoHS
7868E	350E adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. smooth plastics or powder coats.	PET, Gloss White	3M 350E / 20gsm	62gsm White Glassine	UL cUL, RoHS
7871EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder coats.	PET, Gloss White	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS
7871EJ	Same as 3M 7871EC, but with 90gsm double sided liner.	PET, Gloss White	3M 350E / 46gsm	90gsm Double Sided White Glassine	UL cUL, RoHS

POLYESTER, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76550C	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder coats.	PET, Matt Clear	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS

POLYESTER, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7861E	Ideal as an over-laminate where thermal transfer printing is required. Excellent adhesion to LSE plastics.	PET, Gloss Clear	3M 300E	62gsm White Glassine	UL cUL, RoHS
7876EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder coats.	PET, Gloss Clear	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS

POLYESTER, MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7808E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Matt Silver	3M 310E	90gsm White Glassine	UL RoHS
7813EH	Features ultra-smooth top-coat on 75 micron face material, ideal for bar code applications. Good durability with a wide range of ribbons. Excellent durability to LSE substrates.	PET, Matt Silver	3M 300E	90gsm White Glassine	UL cUL, RoHS
7818EH	Excellent durability with a wide range of ribbons. 75 micron face material Premium top-coat for lower heat settings. Firm adhesive that resists oozing.	PET, Matt Silver	3M 310E	90gsm White Glassine	UL cUL, RoHS
7879EJ	350E adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. plastics or powder coats. Top-coat resistant to harsh chemicals such as brake fluid. 75 micron face material.	PET, Matt Silver	3M 350E / 46gsm	90gsm Double Sided White Glassine	UL cUL, RoHS

POLYESTER, PLATINUM SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7872EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder coats.	PET, Platinum Silver	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS
7872EJ	Same as 3M 7872EC, but with 90gsm double sided liner.	PET, Platinum Silver	3M 350E / 46gsm	90gsm Double Sided White Glassine	UL cUL, RoHS
7875E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Platinum Silver	3M 310E	62gsm White Glassine	UL cUL, RoHS

ACRYLIC, HIGH TEMPERATURE RESISTANT

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
3921	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels.	Acrylic, Matt White	3M 150	80gsm Densified Kraft	UL CSA, RoHS
3922	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels. Lower coat-weight of adhesive than 3M 3921, making it ideal for smoother surfaces and has double sided glassine liner.	Acrylic, Matt White	3M 150	65gsm Double Sided Glassine	RoHS

CAST VINYL, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
3690E	Durable cast film, flexible & conformable. Outstanding weathering properties. Non-transferable on some surfaces.	Cast Vinyl, Bright White (non top-coated)	3M 320	90gsm Double Sided Brown Glassine	UL CSA, RoHS

CAST VINYL, GLOSS YELLOW

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
3692E	Durable cast film, flexible & conformable. Outstanding weathering properties. Non-transferable on some surfaces. Ideal for warning labels.	Cast Vinyl, Gloss Yellow (non top-coated)	3M 320	90gsm Double Sided Brown Glassine	UL CSA
3692-1802	Durable cast film, flexible & conformable. Outstanding weathering properties. Non-transferable on some surfaces. Ideal for warning labels.	Cast Vinyl, Gloss Yellow (non top-coated)	3M 320	90gsm Double Sided Brown Glassine	UL Pending CSA Pending RoHS

CAST VINYL, GLOSS SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
3698E	Durable cast film, flexible & conformable. Outstanding weathering properties. Non-transferable on some surfaces.	Cast Vinyl, Gloss Silver (non top-coated)	3M 320	90gsm Double Sided Brown Glassine	UL CSA, RoHS

HIGH DENSITY POLYETHYLENE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76998	Ideal for packaging labels or drum labels. 241E adhesive can be applied at low temperatures.	HDPE, Matt White	3M 241E	62gsm White Glassine	RoHS

RECYCLABLE FILM

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
8000E	This film and adhesive are WEEE compliant. The product is 'recycling compatible', meaning it has no detrimental effect on the re-use of the film and adhesive with plastics such as PC, PS, ABS, HIPS and mixtures of these plastics.	Modified Polymer Film, Silk White	RCMA to DIN30646	90gsm White Glassine	UL, RoHS, CSA(indoor)

GLOSS SILVER RETRO-REFLECTIVE FILM

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
3929	When bar code printed, the face material extends the maximum scanning distance of long-range scanners. Excellent for bin labels or warehouse racking labels.	Retro-reflective, Gloss Silver	3M 200	130gsm Clay-coated Kraft	RoHS





3M™ Tyre Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

POLYPROPYLENE, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FP02850E	Adhesive formulated for rough surfaces, including 'hairy' tyres. Polypropylene face material suitable for smoother surfaces and bar-code printing. Face material top-coated for flexo printing. Thermal transfer printable with a suitable ribbon.	PP Gloss White	3M G1120 / 56gsm	90gsm Double Sided Super-calendered Kraft	RoHS
FPT402BC	Adhesive formulated for rough surfaces, including 'hairy' tyres. Polypropylene face material suitable for smoother surfaces and bar-code printing. Improved shatter and stain resistance. Thermal transfer printable with a suitable ribbon.	PP Gloss White with BC3 Barrier-coat	3M G1120 / 40gsm	90gsm Double Sided Super-calendered Kraft	RoHS

VINYL, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FVT44	Adhesive formulated for rough surfaces, including 'hairy' tyres. Vinyl face material suitable for very rough surfaces and bar-code printing. face material top-coated for flexo printing. Thermal transfer printable with a suitable ribbon.	Vinyl, Matt White	3M G1120 / 62gsm	90gsm Double Sided Super-calendered Kraft	RoHS



3M™ Rough Surface Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

POLYESTER, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76615	Extra-high coat-weight 350E adhesive for performance applications that require adhesion to rough surfaces, such as steel and outdoor exposure resistance. Thermal transfer printable. Double-sided liner resists label blocking of die-cut labels in rolls.	PET Gloss White	3M 350E / 65gsm	90gsm Double Sided White Glassine	RoHS

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76617	Extra-high coat-weight 350E adhesive for performance applications that require adhesion to rough surfaces, such as steel and outdoor exposure resistance. Thermal transfer printable. Double-sided liner resists label blocking of die-cut labels in rolls.	PET Matt White	3M 350E / 65gsm	90gsm Double Sided White Glassine	RoHS



3M™ Flame Retardant Label Materials

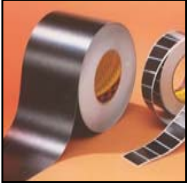
This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

POLYESTER, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7203	Designed to meet UL94 VTM-0 (face material and adhesive). Thermal transfer top-coated for variable data and bar-code addition. Adhesive bonds to a number of substrates, including high & low surface energy plastics. Ideal for aerospace, electronics & automotive applications	PET Gloss White (FR Grade)	3M P2000 FR	90gsm Double Sided Super-calendered Kraft	UL94 VTM-0 (pending) RoHS

POLYESTER,, MATT WHITE

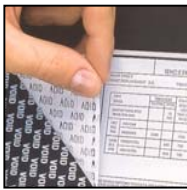
Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7204	Designed to meet UL94 VTM-0 (face material and adhesive). Thermal transfer top-coated for variable data and bar-code addition. Adhesive bonds to a number of substrates, including high & low surface energy plastics. Ideal for aerospace, electronics & automotive applications	PET Matt White (FR Grade)	3M P2000 FR	90gsm Double Sided Super-calendered Kraft	UL94 VTM-0 (pending) RoHS



3M™ Laser Markable Label Materials

2-LAYER ACRYLIC, MATT BLACK / WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7847	Excellent chemical and environmental resistance. Two-layered film construction provides excellent long-term performance. Excellent adhesion to LSE plastics. Brittle face material provides destructibility on some surfaces.	Acrylic, Matt Black / White	3M 350	90gsm Densified Kraft	UL CSA, RoHS



3M™ Security Label Materials

This selection of label materials can be printed by conventional print methods such as letterpress, flexo, hot foil with suitable inks and foils and by thermal transfer, using a suitable ribbon.

POLYESTER, GLOSS WHITE 'VOID'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7866	Tamper-evident 'VOID'. Used for closures in packaging of OTC drugs and for regulatory labels and seals within Automotive, Electronics and Retail Security markets. Face material resists harsh environments.	PET, Gloss White	3M 300	90gsm Densified Kraft	UL CSA, RoHS

POLYESTER, MATT WHITE 'VOID'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7380	Tamper-evident 'VOID'. Used for closures in packaging of OTC drugs and for regulatory labels and seals within Automotive, Electronics and Retail Security markets. Face material resists harsh environments.	PET, Matt White	3M 300	90gsm Densified Kraft	UL RoHS

POLYESTER, BRIGHT SILVER 'VOID'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7384	Tamper-evident 'VOID'. Used for closures in packaging of OTC drugs and for regulatory labels and seals within Automotive, Electronics and Retail Security markets. Face material resists harsh environments.	PET, Bright Silver	3M 300	90gsm Densified Kraft	UL CSA, RoHS

VINYL, ULTRA-DESTRUCTIBLE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7613	Resists one-piece removal. Face material fractures and tears easily. Excellent adhesion to powder coatings, LSE plastics and many other difficult surfaces. Pigmented white vinyl film has 'block-out' capability.	Vinyl, Matt White (non top-coated)	3M 350	90gsm Densified Kraft	UL cUL, RoHS

HIGH DENSITY POLYETHYLENE, PURPLE 'STOP'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76901	Tamper-evident 'STOP' destruct pattern. Highly conformable. Adhesive bonds to most surfaces, including difficult plastics and powder coatings.	HDPE, Purple	3M 241E	65gsm White Glassine	RoHS

ACETATE, DESTRUCTIBLE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7711	Resists one-piece removal. Face material fractures and tears easily. Ideal for seals on packaging and containers.	Acetate, Destructible, Matt White	3M 250E	90gsm White Glassine	RoHS

ACETATE, DESTRUCTIBLE, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7713	Resists one-piece removal. Face material fractures and tears easily. Ideal for seals on packaging and containers.	Acetate, Destructible, Matt Clear	3M 250E	90gsm White Glassine	RoHS



3M™ Over-laminating Label Materials

This selection of label materials can be printed by conventional print methods such as letterpress, flexo, hot foil with suitable inks and foils and by thermal transfer, using a suitable ribbon.

POLYESTER, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76500	Durable face material for harsh environments. Firm adhesive resists oozing. Thermal transfer printable with a suitable ribbon.	PET, Matt Clear	3M 310E	62gsm White Glassine	UL cUL, RoHS
7732FL	Non top-coated. Film liner provides superior clarity. Ideal for metallised or dark colours. Excellent durability and UV resistance.	PET, Matt Clear	3M 400	Polyester Film	UL RoHS
7736	Protective over-laminate for label and nameplate graphics. Can be used on appliances, industrial equipment, tools etc. For labels requiring a matt appearance.	PET, Matt Clear	3M 310E	82gsm Poly-coated Kraft	RoHS

POLYESTER, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7731FL	Non top-coated. Film liner provides superior clarity. Ideal for metallised or dark colours. Excellent durability and UV resistance.	PET, Gloss Clear	3M 400	Polyester Film	UL, RoHS
7746	Protective over-laminate for label and nameplate graphics. Can be used on appliances, industrial equipment, tools etc. For labels requiring a gloss appearance.	PET, Gloss Clear	3M 310E	82gsm Poly-coated Kraft	RoHS

ACRYLIC, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7735FL	Designed for long-term applications. Special UV-resistant film provides a minimum of 5 years outdoor durability in most applications.	Acrylic, Gloss Clear	3M 400	Polyester Film	UL, RoHS

POLYESTER, ULTRA-GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76991	Designed for applications requiring an ultra-clear look with easy removability with no adhesive residue such as mobile telephone displays and promotional labels for retail packaging. The film is printable for instructions or promotional graphics.	PET, Ultra-clear	3M Acrylic, Ultra-removable	White Polyester Film	RoHS

VINYL, CLEAR TEXTURED

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FV02490N	Cost-effective alternative to velvet polycarbonate for labels intended for indoor use. Good moisture and abrasion resistance. Good long-term dimensional stability.	Vinyl, Clear Textured (Non top-coated)	3M P1212	Clear Polyester Film	RoHS

GRAFFITI-RESISTANT OVER-LAMINATING FILM

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7248	Provides resistance to forms of defacement, including spray paint, crayon, marker, pen and pencil. UV exposure-resistant for extended periods of time. Superior abrasion resistance.	PET, Clear Graffiti-resistant	3M 400	60 microns S/C Super-Calendered Kraft	RoHS



3M™ Pharmaceutical & Performance Paper Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

LITHO, TAMPER INDICATING UNCOATED WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7110	Readily fractures or delaminates. Ideal for tamper-resistant labelling. Provides write-on capability.	Litho, Uncoated White	3M 320	70gsm Densified Kraft	UL*, RoHS

LITHO, UNCOATED WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7113	Ideal for data processing applications. Can be cleanly removed and repositioned on most surfaces.	Litho, Uncoated White	3M 1000	90gsm Densified Kraft	RoHS

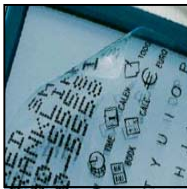
PAPER, HIGH GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7000	High gloss for fine printing. Adheres well to curved surfaces. Can be thermal transfer printed with a suitable ribbon.	Paper, Gloss White	3M 320	70gsm Densified Kraft	UL*, RoHS

LITHO, COATED WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7142	Good thermal transfer printable face material. Can be cleanly removed and repositioned on most surfaces.	Litho, Coated White	3M 1000	90gsm Densified Kraft	RoHS

* can be used to display the UL listing mark, but each case must be reviewed and approved by UL follow-up services before use.



3M™ Removable Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

POLYESTER, SILK WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FM01972	Silk matt film polyester film offers thermal stability. Thermal transfer printable. Suitable for masking applications.	PET Silk Matt White	3M R3500	80 microns S/C Super-Calendered Kraft	RoHS

POLYESTER, ULTRA-GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76991	Designed for applications requiring an ultra-clear look with easy removability with no adhesive residue such as mobile telephone displays and promotional labels for retail packaging. The film is printable for instructions or promotional graphics.	PET, Ultra-clear	3M Acrylic, Ultra-removable	White Polyester Film	RoHS

POLYPROPYLENE, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FP016902	Good conformability. Good removal from most surfaces.. Excellent alternative to static cling vinyl products.	Polypropylene Gloss White	3M R3500	80 microns S/C Super-Calendered Kraft	RoHS
FP024502	Gloss label face material, paired with a removable adhesive, designed to be easily removable from a variety of substrates with lower peel and tack than 3M R3500 adhesive.	Polypropylene, Gloss White	3M R3800	80 microns S/C Super-Calendered Kraft	RoHS

POLYPROPYLENE, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
FP0862	Good conformability. Good removal from most surfaces.. Excellent alternative to static cling vinyl products.	Polypropylene Gloss Clear	3M R3500	80 microns S/C Super-Calendered Kraft	RoHS
FP024402	Gloss label face material, paired with a removable adhesive, designed to be easily removable from a variety of substrates with lower peel and tack than 3M R3500 adhesive.	Polypropylene, Gloss Clear	3M R3800	80 microns S/C Super-Calendered Kraft	RoHS



3M™ Digital Label Materials (HP-Indigo Optimised)

POLYESTER, DIGITAL GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7225	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	PET, Gloss White	3M P1400	79µ S/Calendered Kraft	RoHS

POLYESTER, DIGITAL GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7244	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	PET, Gloss Clear	3M P1400	79µ S/Calendered Kraft	RoHS

POLYESTER, DIGITAL MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7238	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	PET, Matt Silver	3M P1400	79µ S/Calendered Kraft	RoHS

POLYESTER, DIGITAL BRIGHT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7250	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	PET, Bright Silver	3M P1400	79µ S/Calendered Kraft	RoHS

POLYPROPYLENE, DIGITAL GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7242	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Polypropylene, Gloss White	3M P1400	79µ S/Calendered Kraft	RoHS



3M™ Digital Label Materials (Xeikon-compatible)

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7810EH	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Excellent adhesion to LSE substrates.	PET, Matt White	3M 300E	90gsm White Glassine	UL cUL, RoHS
7815EH	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Matt White	3M 310E	90gsm White Glassine	UL cUL, RoHS
76638	Smooth matt top-coat for powder-based printing. Good adhesion to a variety of surfaces. Thick poly-coated kraft liner for sheeting applications.	PET, Matt White	3M 250E	120gsm Poly-coated Kraft	UL, cUL, RoHS

POLYESTER, GLOSS CLEAR

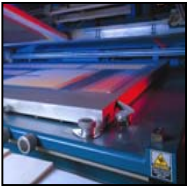
Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7876EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder coats.	PET, Gloss Clear	3M 350E / 46gsm	62gsm Double Sided White Glassine	UL cUL, RoHS

HIGH DENSITY POLYETHYLENE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76998	Ideal for packaging labels or drum labels. 241E adhesive can be applied at low temperatures.	HDPE, Matt White	3M 241E	62gsm White Glassine	RoHS

POLYPROPYLENE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G18S6	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. Particularly suitable for indoor applications where the higher specification of polyester is not required. Medium tack emulsion acrylic adhesive.	Polypropylene Matt White	3M FP400	62gsm White Glassine	UL cUL, RoHS



3M™ Sheeted Label Materials for Screen Printers

POLYESTER, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7029	Excellent UV resistance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	PET, Gloss Clear	3M P1400	178 micron Poly-coated Kraft	UL, RoHS

POLYESTER, MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7032	Excellent lay-flat performance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	PET, Matt Silver	3M P1400	178 micron Poly-coated Kraft	UL, RoHS

POLYESTER, GLOSS WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7034	Excellent lay-flat performance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	PET, Gloss White	3M P1400	178 micron Poly-coated Kraft	UL, RoHS

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7036	Excellent lay-flat performance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	PET, Matt White	3M P1400	178 micron Poly-coated Kraft	UL, RoHS

VINYL, SOFT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7043	Special top-coated vinyl for UV-curable screen inks. Excellent lay-flat performance. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	Vinyl, Soft White	3M P1400	178 micron Poly-coated Kraft	UL, RoHS

VINYL, SOFT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7054	Special top-coated vinyl for UV-curable screen inks. Excellent lay-flat performance. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm).	Vinyl, Soft Clear	3M P1400	178 micron Poly-coated Kraft	RoHS





3M™ Thermal Transfer Printable Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

GENERAL INDUSTRIAL RANGE

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G61SB	Matt top-coated – suitable for use with a wide range of thermal transfer ribbons to give a durable image. Designed for general purpose durable label applications.	PET, Matt White	3M 250E	62gsm White Glassine	UL cUL, RoHS

POLYESTER, MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G62SB	Matt top-coated – suitable for use with a wide range of thermal transfer ribbons to give a durable image. Designed for general purpose durable label applications.	PET, Matt Silver	3M 250E	62gsm White Glassine	UL cUL, RoHS

POLYESTER, PEARL WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
D85YB	Print-treated surface – suitable for use with a wide range of thermal transfer ribbons to give a durable image. Designed for general purpose durable label applications.	PET, Pearl White	3M 250E	62gsm White Glassine	UL cUL, RoHS

POLYESTER, PLATINUM SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
D84YB	Print-treated surface – suitable for use with a wide range of thermal transfer ribbons to give a durable image. Designed for general purpose durable label applications.	PET, Pearl White	3M 250E	62gsm White Glassine	UL cUL, RoHS

ACRYLIC, HIGH TEMPERATURE RESISTANT

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
GHTR	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels.	Acrylic, Matt White	3M 150	62gsm Double Sided White Glassine	RoHS



3M™ Security Label Materials

This selection of label materials can be printed by conventional print methods such as letterpress, flexo, hot foil with suitable inks and foils and by thermal transfer, using a suitable ribbon.

POLYESTER, MATT WHITE 'TRIANGLES'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G635H	Tamper-evident 'TRIANGLES'. Used for closures in packaging of OTC drugs and for regulatory labels and seals within Automotive, Electronics and Retail Security markets. Face material resists harsh environments.	PET, Matt White	3M HP500	90gsm White Glassine	RoHS

POLYESTER, MATT SILVER 'TRIANGLES'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G645H	Tamper-evident 'TRIANGLES'. Used for closures in packaging of OTC drugs and for regulatory labels and seals within Automotive, Electronics and Retail Security markets. Face material resists harsh environments.	PET, Matt Silver	3M HP500	90gsm White Glassine	RoHS



3M™ Thermal Transfer Printable Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

GENERAL RANGE

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H01C3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. Kraft liner designed for lay-flat applications.	PET, Matt White	3M HP100	90gsm White Lay-flat Kraft	UL, cUL BS5609, RoHS
H01CH	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing.	PET, Matt White	3M HP100	90gsm White Glassine	UL, BS5609, RoHS
H01YH	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Higher tack adhesive than 3M HP100 for use on a wider range of plastic substrates.	PET, Matt White	3M HP250	90gsm White Glassine	RoHS
H11CH	Matt top-coated – suitable for use with a range of thermal transfer ribbons giving extra chemical and UV resistance ('B' top-coat). Firm adhesive that resists oozing.	PET, Matt White	3M HP100	90gsm White Glassine	RoHS

POLYESTER, MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H00C3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. Kraft liner designed for fan-fold applications.	PET, Matt Silver	3M HP100	90gsm White Lay-flat Kraft	UL, cUL, BS5609, RoHS
H00CB	Matt top-coated – suitable for use with a range of dot matrix ribbons to give smudge resistant image. Firm adhesive that resists oozing. Liner particularly suitable for automatic dispensing applications.	PET, Matt Silver	3M HP100	62gsm White Glassine	UL, BS5609, RoHS
H00CH	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing.	PET, Matt Silver	3M HP100	90gsm White Glassine	UL, BS5609, RoHS
H00YH	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Higher tack adhesive than 3M HP100 for use on a wider range of plastic substrates.	PET, Matt Silver	3M HP250	90gsm White Glassine	RoHS
H10CH	Matt top-coated – suitable for use with a range of thermal transfer ribbons giving extra chemical and UV resistance ('B' top-coat). Firm adhesive that resists oozing.	PET, Matt Silver	3M HP100	90gsm White Glassine	RoHS

The products listed above in red can also be printed by dot matrix printers with a suitable ribbon.

POLYESTER, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H02C3	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. This product is UL recognised as a thermal transfer printable 25 micron over-laminate.	PET, Matt Clear	3M HP100	90gsm White Lay-flat Kraft	UL, RoHS
H02CB	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. Designed as a thermal transfer printable matt over-laminate with improved chemical and UV resistance.	PET, Matt Clear	3M HP100	62gsm White Glassine	RoHS

The products listed above in red can also be printed by dot matrix printers with a suitable ribbon.

RIGID PVC TAG, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G5330	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. 200 Micron rigid PVC tag suitable for timber tags, clothing tags and pallet tags. Can also be sprocket punched, perforated and fan-folded.	Rigid PVC, Matt White 200µ	N/A	N/A	RoHS
G5340	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. 250 Micron rigid PVC tag suitable for timber tags, clothing tags and pallet tags. Can also be sprocket punched, perforated and fan-folded.	Rigid PVC, Matt White 250µ	N/A	N/A	RoHS

POLYPROPYLENE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G18S6	Matt top-coated – suitable for use with a range thermal transfer ribbons to give a durable image. Particularly suitable for indoor applications where the higher specification of polyester is not required. Medium tack emulsion acrylic adhesive.	Polypropylene Matt White	3M FP400	62gsm White Glassine	UL cUL, RoHS



3M™ Press Printable Label Materials

This selection of label materials can be printed by conventional print methods such as letterpress, flexo, hot foil and also by thermal transfer with a suitable ribbon.

ACETATE, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
D502A	Gloss clear printable 50 micron acetate film. Suitable for a wide range of short to medium-term indoor applications. Non-yellowing emulsion acrylic adhesive.	Acetate, Gloss Clear	3M AT231	62gsm Yellow Glassine	RoHS

POLYPROPYLENE, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
G18S6	Printable matt white, 60 micron polypropylene. Top-coating imparts excellent durability to product. Medium tack emulsion acrylic adhesive.	Polypropylene, Matt White	3M FP400	62gsm White Glassine	UL cUL, RoHS

POLYESTER, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
C03CQ	Super-clear printable 36 micron polyester. Optically clear. Autoclavable adhesive. Clear polyester liner. Suitable for 'no-label' look applications.	PET, Gloss Clear	3M HP100	Polyester Film	RoHS



3M™ Over-laminating Label Materials

This selection of label materials can be printed by conventional print methods such as letterpress, flexo, hot foil with suitable inks and foils and by thermal transfer, using a suitable ribbon.

POLYESTER, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
C22CI	Matt clear 23 micron clear polyester, designed as a high-performance over-laminate. 3M HP100 adhesive provides outdoor and UV-resistant durability. Suitable for longer-life applications.	PET, Matt Clear	3M HP100	72gsm White Kraft	RoHS

POLYESTER, GLOSS CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
C03CQ	Super-clear 36 micron over-laminating polyester. Optically clear. Autoclavable adhesive. Clear polyester liner. Designed to significantly improve the aesthetic appeal of the label.	PET, Super-clear	3M HP100	Polyester Film	RoHS
C112I	Designed as a cost-effective 23 micron gloss clear over-laminate, suitable for use in combination with both paper and synthetic labels. Non-yellowing emulsion acrylic adhesive.	PET, Gloss Clear	3M AT231	72gsm White Kraft	RoHS
C11CI	Gloss clear 23 micron clear polyester, designed as a high-performance gloss over-laminate. 3M HP100 adhesive provides outdoor and UV resistant durability. Suitable for longer-life applications.	PET, Gloss Clear	3M HP100	72gsm White Kraft	RoHS



3M™ Laser Toner Printable Label Materials

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

POLYESTER, MATT WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H01C3	Ideal for laser toner applications with matt top-coating for high resolution images. Firm adhesive that resists oozing. Clay-coated kraft liner suitable for rotary die-cutting.	PET, Matt White	3M HP100	90gsm White Lay-flat Kraft	UL, cUL BS5609, RoHS
I01Y3	Ideal for laser toner applications with matt top-coating for high resolution images. Higher tack adhesive than 3M HP100, suitable for use on a wider range of plastic substrates. Clay-coated kraft liner suitable for rotary die-cutting.	PET, Matt White	3M HP250	90gsm White Lay-flat Kraft	UL cUL, RoHS

POLYESTER, MATT SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H00C3	Ideal for laser toner applications with matt top-coating for high resolution images. Firm adhesive that resists oozing. Clay-coated kraft liner suitable for rotary die-cutting.	PET, Matt Silver	3M HP100	90gsm White Lay-flat Kraft	UL, cUL BS5609, RoHS
I00Y3	Ideal for laser toner applications with matt top-coating for high resolution images. Higher tack adhesive than 3M HP100, suitable for use on a wider range of plastic substrates. Clay-coated kraft liner suitable for rotary die-cutting.	PET, Matt Silver	3M HP250	90gsm White Lay-flat Kraft	UL cUL, RoHS

POLYESTER, MATT CLEAR

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
H02C3	Ideal for laser toner applications with matt top-coating for high resolution images. Firm adhesive that resists oozing. Thin 25 micron face material and adhesive combination can be used for cable-wrap applications.	PET, Matt Clear	3M HP100	90gsm White Lay-flat Kraft	UL, RoHS
I02Y3	Ideal for laser toner applications with matt top-coating for high resolution images. Higher tack adhesive than 3M HP100, suitable for use on a wider range of plastic substrates. Thin 25 micron face material and adhesive combination can be used for cable-wrap applications.	PET, Matt Clear	3M HP250	90gsm White Lay-flat Kraft	UL cUL, RoHS

POLYESTER, MATT YELLOW

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
I03Y3	Matt yellow top-coated laser toner printable product. Higher tack adhesive than 3M HP100, suitable for use on a wider range of plastic substrates. Also suitable for use with thermal transfer printers with a suitable ribbon for warning labels.	PET, Matt Yellow	3M HP250	90gsm White Lay-flat Kraft	UL, RoHS



3M™ Cushionmount™ Plus Flexographic Mounting Tapes

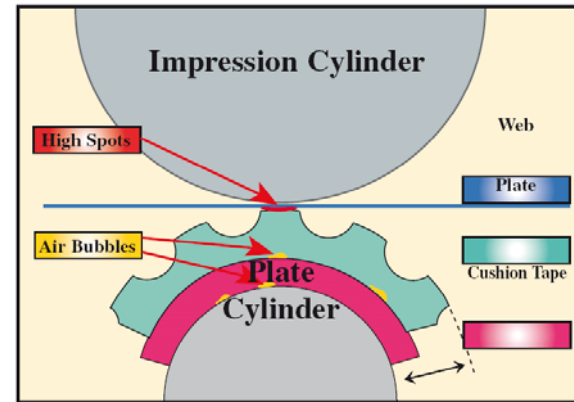
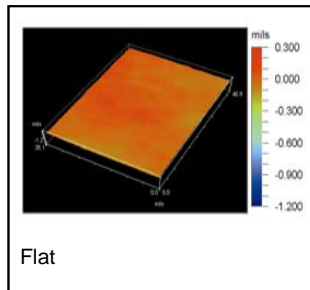
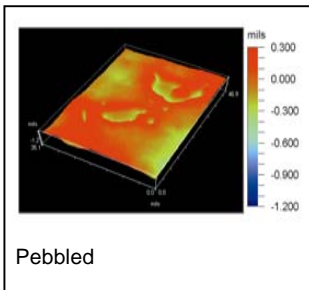
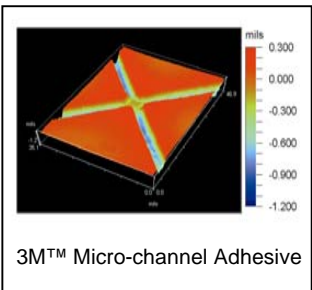
Overview

When you need areas of solid ink and crisp lines, you'll want firm, high density mounting tape. For half-tone work, where dot gain is a concern, a softer tape optimises reproduction and, when solids and dots share the plate, a combination tape can properly balance the result.

From the wide 3M selection of flexographic mounting tapes, you can find the adhesives, foams and thicknesses for the print quality our customers demand and expect. You'll also find choices to meet your handling requirements not only for mounting ease and positioning accuracy, but also for easy, clean removal from plate and cylinder.

The range of 3M tapes prefixed with an "E" have the 3M E-Series Liner, developed to virtually eliminate air bubbles during mounting, yet remove easily without plate damage.

Microscopic view of adhesive surface measured with interferometer



3M™ E-Series Liner – exclusive liner prevents air entrapment by forming micro-channels in the adhesive.

- Proprietary 3M technology
- Cross-hatch pattern creates a continuous and permanent network of micro-channels in the adhesive, allowing air to flow on both sides of the tape
- Advantages and benefits:
 - Allows air to escape from between tape and sleeve/cylinder and tape and plate for easy mounting
 - Improves consistency of print quality due to reduction of air bubbles that can cause 'blemishes' in screen and process jobs
 - Helps increase productivity with less time spent on mounting plates

For the latest information on our Flexographic Mounting Tapes, check out our web-site:

www.3m.com/uk/flexo



3M™ Cushion-mount™ Flexographic Mounting Tapes

CORE RANGE

Process Printing Tapes with foam carrier	Soft Combination Printing Tapes with foam carrier	Medium Soft Combination Printing Tapes with foam carrier	Standard Combination Printing Tapes with foam carrier	Firm Combination Printing Tapes with foam carrier	Medium Firm Combination Printing Tapes with foam carrier	Technical Information
						<p>•10% Highlight</p> <p>40% Midtone</p> <p>Reverse</p> <p>Positive</p> <p>Note: Printed samples shown here show the typical impact of mounting tapes on print quality.</p> <p>Firmer tapes generally give better solid ink coverage while softer tapes provide better dot and edge reproduction</p> <p>Original prints printed using:</p> <ul style="list-style-type: none"> • CI press • 180m / minute • Anilox 600 lpi (3.0 bcm) • 0.38 / 0.015" tape • 1.7mm photopolymer plates <p>Samples magnified:</p> <ul style="list-style-type: none"> • Lines: 50 X • Solids 8 X • Dots (10%) 50 X
<p>11 Series Low Density Foam</p> <ul style="list-style-type: none"> • Sharpest process image • Finest dots • Controlled ink transfer 	<p>19 Series Medium / Low Density Foam</p> <ul style="list-style-type: none"> • Fine process combined with fine lines • Small solid areas 	<p>13 Series Medium / Soft Density Foam</p> <ul style="list-style-type: none"> • Excellent combination printing at high speed • Clean, fine-print reverses • Rich half-tones • Runs at higher press speeds with expanded colour gamut 	<p>10 Series Medium Density Foam</p> <ul style="list-style-type: none"> • Excellent combination printing • Good lines • Good solids • Good half-tones 	<p>17 Series Medium / High Density Foam</p> <ul style="list-style-type: none"> • Superior solids and opaque backgrounds • Outstanding lines • Rich half-tones 	<p>18 Series High Density Foam</p> <ul style="list-style-type: none"> • Superb solids and opaque background colour • Exceptional lines • High ink transfer with almost no ink transfer 	



3M™ Cushion-mount™ Flexographic Mounting Tapes

Product Choice	3M™ Process Printing Tapes		3M™ Combination Printing Tapes			3M™ Tapes for Solids, Lines and Text	Thickness
	11 Series	19 Series	13 Series	10 Series	17 Series	18 Series	
<ul style="list-style-type: none"> • Easier plate removal • Use with larger diameter print cylinder • Use with thinner plates 	E1120	E1920	E1320	E1020	E1720	E1820	0.50mm
	E1115	E1915	E1315	E1015	E1715	E1815	0.38mm
				E1040			1.00mm
				E1060			1.50mm
<ul style="list-style-type: none"> • Higher plate side adhesion • Use with smaller diameter print cylinder • Better results with thicker plates 	E1120H	E1920H	E1320H	E1020H	E1720H	E1820H	0.50mm
	E1115H	E1915H	E1315H	E1015H	E1715H	E1815H	0.38mm
	High quality process and screen work	Process and halftone predominate	Solid and halftone are equally important. Faster press speeds	Solid and halftone are equally important	Slightly more solids in combination of solid and halftone	Mostly solids, lines or text	





3M™ Radiant Light Films

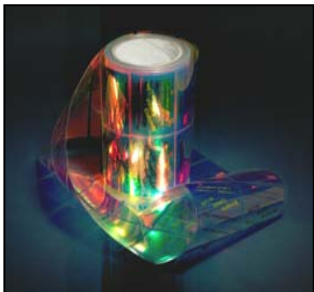
Overview

3M, a leader and innovator in high-performance polymer film introduces 3M™ Radiant Light Films, a revolutionary breakthrough in multi-layer reflective film. Combining precise layers of polymer materials with different reflective qualities, 3M scientists have produced film engineered to obtain unprecedented levels of reflective vibrancy. 3M Radiant Films can be combined with suitable colour substrates to produce various vibrant colours in both reflection and transmission.

The possibilities for 3M Radiant Light Film are endless. This extremely rich technology is ideal for a multitude of decorative and technical applications for designers, product developers, packaging engineers, decorators and product engineers.

The high reflectivity of 3M Radiant Colour Mirror Film produces such brilliant colour that objects incorporating the film appear to be lit from inside. This shimmering plastic film brings a totally new level of excitement and energy to a variety of creative applications, including sporting goods, packaging, textiles, home décor, architectural displays, gift wrapping and glitter.

Crumple it up. Hold it up to the window. Roll it into a cone. Whatever you do with 3M Radiant Colour Mirror Film, the brilliant reflective hues will astound you. This multi-layer, non-metallic polymeric film is as fun as it is versatile. You can print on it, laminate it, cut it and it may also be conformed into shapes. You can even make yarn to be woven or knit into fabric. It can take on almost magical qualities depending on the material placed behind it or the way light strikes it. The uses for 3M Radiant Colour Mirror Film are only limited by your imagination.



For the latest information on our Radiant Films, check out our web-site:

www.3m.com/uk/radiantfilms



3M™ Radiant Light Films

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil.

Other product constructions are available. Contact us for details.

CORE RANGE

CM500, BASE FILM

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
CM500	Premium grade reflective colour mirror film. Depending on the viewing angle, the colours are blue, magenta or gold. When combined with suitable colour substrates, different colours can be achieved. The film is metal free, non-corroding and non-conductive. It may be embossed, die cut, shear slit, precision cut, surface treated to become heat sealable, coated or laminated with adhesive, printed and extruded into plastics.	Multi-layer Polymeric Film	N / A	N / A	RoHS

CM500, POLYESTER LABEL MATERIAL

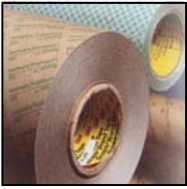
Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76922	Premium grade reflective colour film label material. Ideal for use as a label material or an over-laminating film. Ideal for packaging applications. Adhesive will bond to most substrates, including low surface energy plastics.	CM500 Multi-layer Polymeric Film	3M 350E / 27gsm	36 microns Clear PET	RoHS

CM592, BASE FILM

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
CM592	Premium grade reflective colour mirror film. Depending on the viewing angle, the colours are cyan, blue or magenta. When combined with suitable colour substrates, different colours can be achieved. The film is metal free, non-corroding and non-conductive. It may be embossed, die cut, shear slit, precision cut, surface treated to become heat sealable, coated or laminated with adhesive, printed and extruded into plastics.	Multi-layer Polymeric Film	N / A	N / A	RoHS

CM500, POLYESTER LABEL MATERIAL

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
76923	Premium grade reflective colour film label material. Ideal for use as a label material or an over-laminating film. Ideal for packaging applications. Adhesive will bond to most substrates, including low surface energy plastics.	CM592 Multi-layer Polymeric Film	3M 350E / 27gsm	36 microns Clear PET	RoHS



3M™ Laminating Adhesives

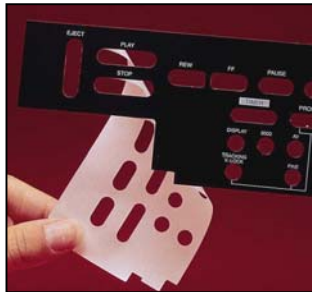
Overview

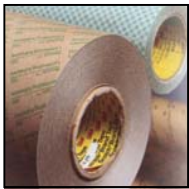
3M is a leader in adhesive technology. Included within the range is a variety of adhesives, including the most advanced acrylic formulations, engineered to provide a full range of performance characteristics.

3M adhesives range from very firm, highly cross-linked for high temperature and harsh chemical resistance, to soft, tackified adhesives that bond exceptionally well to low surface energy plastics.

Backed by our many years of leadership with continued quality innovations, 3M has a number of laminating adhesives, some of which have been the industry standard for twenty years, for virtually any application need in Automotive, Electronics, Aerospace, Appliance and Transportation market sectors.

Laminating adhesives are often critical to the long-term durability and operation of your products – it makes sense, therefore, to specify the industry standard.





3M™ Laminating Adhesives (Roll Format)

CORE RANGE

3M™ 200MP HIGH PERFORMANCE ACRYLIC ADHESIVE

Product:	Typical Performance Characteristics:	Adhesive (µM)	Liner (µM)	Liner Type:	Total(µm)	Specs: (For latest update visit www.ul.com)
467MP	Excellent environmental resistance and adhesion to metals and HSE plastics. High shear strength that resists edge-lifting. Superior adhesive smoothness for thin film graphic overlays.	51µm	102µm	94gsm Poly-coated Kraft	153µm	UL Mh
468MP	Thicker version of 3M 467MP. Designed for bonding to textured surfaces. Excellent environmental resistance and adhesion to metals and HSE plastics. High shear strength that resists edge lifting.	127µm	102µm	94gsm Poly-coated Kraft	229µm	UL Mh

3M™ 300LSE HIGH STRENGTH ACRYLIC ADHESIVE

Product:	Typical Performance Characteristics:	Adhesive (µM)	Liner (µM)	Liner Type:	Total(µm)	Specs: (For latest update visit www.ul.com)
9471LE	Bonds well to most surfaces, including LSE plastics, powder paints and polypropylene without losing shear or temperature resistance. Also bonds to contaminated surfaces, such as slightly oily metals.	51µm	100µm	94gsm Poly-coated Kraft	151µm	UL
9472LE	Thicker version of 3M 9471LE. Bonds well to most surfaces, including LSE plastics, powder paints and polypropylene without losing shear or temperature resistance. Also bonds to contaminated surfaces.	127µm	100µm	94gsm Poly-coated Kraft	227µm	UL

UL= Underwriters laboratories recognised component for UL969 Standard. Mh = Meets Mil-P-19834B Type 1.





3M™ Laminating Adhesives (Sheet Format)

Standard sheet size: 610mm x 915mm

3M™ 200MP HIGH PERFORMANCE ACRYLIC ADHESIVE

Product:	Typical Performance Characteristics:	Adhesive (µM)	Liner (µM)	Liner Type:	Total(µm)	Specs: (For latest update visit www.ul.com)
7952MPL	Sheeted version of 3M 467MP. Excellent environmental resistance and adhesion to metals and HSE plastics. High shear strength that resists edge-lifting. Designed for selective die-cutting.	51µm	112µm 112µm	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	275µm	UL
7962MP	3M 7952MPL on a lay-flat liner for kiss-cutting and selective die-cutting. Primary liner is printed.	51µm	165µm 102µm	Primary: 165µm Poly-coated Kraft Secondary: 102µm Poly-coated Kraft	318µm	UL
7955MPL	Sheeted version of 3M 468MP. Excellent environmental resistance and adhesion to metals and HSE plastics. High shear strength that resists edge-lifting. Designed for selective die-cutting.	127µm	112µm 112µm	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	351µm	UL
7965MP	3M 7955MPL on a lay-flat liner for kiss-cutting and selective die-cutting. Primary liner is printed.	127µm	165µm 102µm	Primary: 165µm Poly-coated Kraft Secondary: 102µm Poly-coated Kraft	394µm	UL

UL= Underwriters laboratories recognised component for UL969 Standard.

3M™ 300LSE HIGH STRENGTH ACRYLIC ADHESIVE

Product:	Typical Performance Characteristics:	Adhesive (µM)	Liner (µM)	Liner Type:	Liner Total(µm)	Specs: (For latest update visit www.ul.com)
8132LE	Sheeted version of 3M 9471LE. Designed for selective die-cutting.	51µm	100µm 163µm	Primary: 100µm Poly-coated Kraft Secondary: 163µm Poly-coated Kraft	314µm	
8153LE	Slightly thicker version of 3M 8132LE. Designed for selective die-cutting.	88µm	100µm 163µm	Primary: 100µm Poly-coated Kraft Secondary: 163µm Poly-coated Kraft	351µm	



3M™ Membrane Switch Spacers

Overview

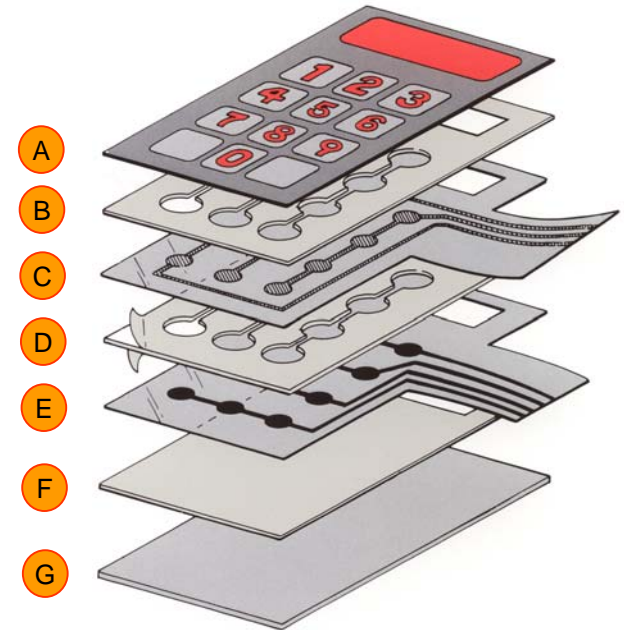
With low-cost, long life, outstanding environmental performance and eye-catching graphics, membrane switches are found in more and more applications. They range from agricultural machinery and medical test systems, to microwave ovens and fish finders. Whatever the application, the multiple layers of adhesives used to bond, insulate and separate components help determine the reliability and service life of the switch.

From top to bottom of the switch, the demands on the adhesive can vary, depending on the type of the switch, the materials assembled and end-use conditions. For this reason, 3M offers a range of products with application-specific configurations for die-cut laminations, circuit layer assembly, switch spacers and switch mounting.

3M proprietary adhesives have been used successfully in membrane switches for over 20 years – why risk the performance of your switch? Specify the industry standard.



Typical Membrane Switch Construction



- A: Key panel graphics
- B: 3M™ Adhesive Transfer Tape
- C: Top switch circuit
- D: 3M™ Membrane Switch Spacer
- E: Bottom switch circuit
- F: 3M™ Adhesive Transfer Tape
- G: Backer board



3M™ Membrane Switch Spacers (Sheet Format)

Standard sheet size: 610mm x 915mm

3M™ 200MP HIGH PERFORMANCE ACRYLIC ADHESIVE

Product:	Typical Performance Characteristics:	Primary Adhesive	Carrier Type & Thickness	Secondary Adhesive	Total* (µm)	Liner Type:	Liner (µM)	Specs:
7945MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	51µm (2 thou)	Polyester 25µm (1 thou)	51µm (2 thou)	127µm (5 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL
7953MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	38µm (1.5 thou)	Polyester 13µm (0.5 thou)	38µm (1.5 thou)	89µm (3.5 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL
7956MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	51µm (2 thou)	Polyester 51µm 2 thou)	51µm (2 thou)	153µm (6 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL
7957MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	51µm (2 thou)	Polyester 76µm (3 thou)	51µm (2 thou)	178µm (7 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL
7959MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	51µm (2 thou)	Polyester 127µm (5 thou)	51µm (2 thou)	229µm (9 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL
7961MPL	Excellent temperature, chemical and UV resistance. High shear strength withstands repeated stresses of switch actuation.	51µm (2 thou)	Polyester 178µm (7 thou)	51µm (2 thou)	280µm (11 thou)	Primary: 112µm Poly-coated Kraft Secondary: 112µm Poly-coated Kraft	112µm	UL

UL= Underwriters laboratories recognised component for UL969 Standard. thou = thousandth of an inch. * Total thickness excludes liners.



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Contact 3M ...

If you wish to place an order, check stock or a product lead time, call our Customer Service Centre:

In UK: **0161 237 6165**
0161 237 6142

In Ireland: **(01) 280 3555**

3M Converter Markets on the Internet:

Label Materials:

www.3m.com/uk/labels

Flexographic Mounting Tapes:

www.3m.com/uk/flexo

Radiant Light Films:

www.3m.com/uk/radiantfilms





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3M Ireland**

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Fax: (01) 280 3509

3M Converter Markets on the Internet:

Label Materials: www.3m.com/uk/labels
Flexographic Mounting Tapes: www.3m.com/uk/flexo
Radiant Light Films: www.3m.com/uk/radiantfilms

CJ1069



This technical information and data should be considered representative or typical only and should not be used for specification purposes. The information is intended as a guideline only. Users should carefully evaluate products for their application. The products above refer to the core range of 3M Label Materials, Flexographic Mounting Tapes, Laminating Adhesives, Membrane Switch Spacers and Radiant Light Films. Contact us for details of our full range.