



Label Materials

Product Selection Guide

Core Product Range



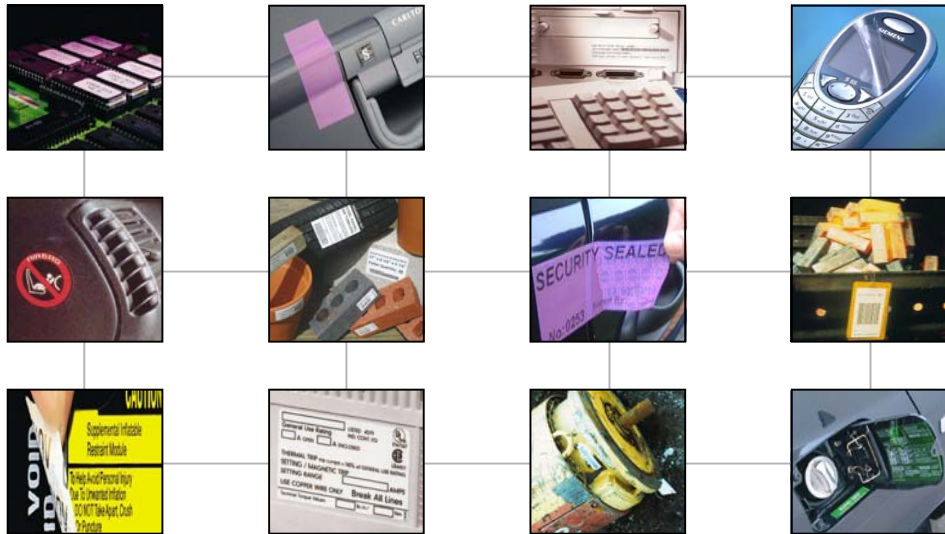


Your label material choice starts here ...

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

3M has a range of Core Label Materials outlined in this guide. The intention is to start here, as our most common and popular product constructions are listed. If you can't find exactly what you're looking for, call us, as our full product offering has many tens of thousands of product combinations.

Here are some typical applications in key market sectors ...



3M has been a global leader in adhesive technology for over 100 years. That's why industry looks towards 3M for the performance they need time and time again.

3M Hillington – Our UK coating facility ...

3M Hillington is a high technology specialist coating plant producing filmic label materials, located on the outskirts of Glasgow.

Production facilities house a 1.22 metre wide coater with air extraction, humidity and temperature control, chill rollers, web cleaning, static elimination, air flotation ovens and effluent recovery systems complying with the latest environmental regulations.

Manufacturing is in a clean-room environment to ISO9002 standards.



Capabilities - Manufacturing:

- Coating width of 1220mm
- Solvent and emulsion print receptive top-coat technologies
- Solvent and emulsion adhesive technologies
- Clean-room facility
- Effluent solvent recovery
- Slitting operation
- Custom-coating facility through the 'Made to Design' programme

In addition, the facility houses extensive laboratory facilities, responsible for product design & development, product & application evaluation and product quality. The laboratory is also a UL (Underwriters' Laboratory) authorised test facility to qualify finished printed labels made with 3M materials to UL and cUL standards.



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.

POLYESTER, MATT WHITE

PRIMARY CORE RANGE

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
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
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
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
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	
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
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

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
7816E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Gloss White	3M 310E	62gsm White Glassine	UL cUL
7816EH	Same as 3M 7816E, but with 90gsm liner.	PET, Gloss White	3M 310E	90gsm White Glassine	UL cUL
7860E	Durable face material for harsh environments. Excellent adhesion to LSE plastics.	PET, Gloss White	3M 300E	62gsm White Glassine	UL cUL

7860EH	Same as 3M 7860E, but with 90gsm liner.	PET, Gloss White	3M 300E	90gsm White Glassine	UL cUL
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
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
7871EJ	Same as 3M 7871EC, but with 90gsm double sided liner.	PET, Gloss White	3M 350E / 46gsm	90gsm Double Sided White Glassine	UL cUL

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

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
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

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
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
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
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

76730	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Matt Silver	3M 310E	62gsm White Glassine	UL cUL
76750	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 Silver	3M 350E / 20gsm	62gsm White Glassine	UL cUL

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
7872EJ	Same as 3M 7872EC, but with 90gsm double sided liner.	PET, Platinum Silver	3M 350E / 46gsm	90gsm Double Sided White Glassine	UL cUL
7875E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	PET, Platinum Silver	3M 310E	62gsm White Glassine	UL cUL

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
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	

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

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

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

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	

RECYCLABLE FILM

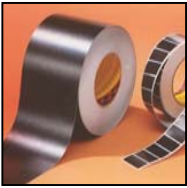
Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
8000E	This film and adhesive are WEEE compliant. The product is 'recycling compatible', meaning it has no detrimental effect on the re-use of the film and adhesive with plastics such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

GLOSS WHITE POLYPROPYLENE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7777	Corona-treated. Bright white face material offers high opacity. Film stiffness allows for easy die-cutting and dispensing for automatic applications.	Polypropylene, Gloss White	3M AP360	90gsm Densified Kraft	UL CSA

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	



3M™ Laser Markable Label Materials

2-LAYER ACRYLIC, MATT BLACK / WHITE

PRIMARY CORE RANGE

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



3M™ Rough Surface Label Materials

POLYPROPYLENE, GLOSS WHITE

PRIMARY CORE RANGE

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	

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	



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.

PRIMARY CORE RANGE

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

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

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

POLYESTER, MATT SILVER 'VOID'

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
7382	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 Silver	3M 250E	90gsm White Glassine	UL cUL

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

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	
76903	Tamper-evident 'STOP' destruct pattern. Special removable adhesive leaves no residue on most surfaces, leaving destruct pattern visible in label face. Ideal for seals on doors, hatches, inspection covers and retail security applications.	HDPE, Purple	SARM	65gsm White Kraft	

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	

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	



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.

PRIMARY CORE RANGE

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
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
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	

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
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	

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

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	

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	



3M™ Pharmaceutical & Performance Paper Label Materials

PRIMARY CORE RANGE

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*

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	

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*

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	

* 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™ 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
G61WB	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 in indoor or packaging environments.	PET, Matt White	3M 450E	62gsm White Glassine	UL

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
G62WB	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 in indoor or packaging environments.	PET, Matt Silver	3M 450E	62gsm White Glassine	UL

POLYESTER, PEARL WHITE

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
D85VB	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 in indoor or packaging environments.	PET, Pearl White	3M 450E	62gsm White Glassine	
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

POLYESTER, PLATINUM SILVER

Product:	Typical Performance Characteristics:	Face Material:	Adhesive:	Liner:	Specs: (For latest update visit www.ul.com)
D84VB	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 in indoor or packaging environments.	PET, Pearl White	3M 450E	62gsm White Glassine	
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

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	



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'

GENERAL INDUSTRIAL RANGE

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	

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	



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 CORE 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
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
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	
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	

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
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
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
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	
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	

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
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	

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	
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	

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



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.

GENERAL CORE RANGE

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	

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

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	



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.

GENERAL CORE RANGE

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	

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	
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	
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	



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.

GENERAL CORE RANGE

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
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

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
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

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
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

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



3M™ Label Material Components

The following component materials are stocked at 3M Hillington for the manufacture of stock products and Made to Design (Laminate to Order) products.

CORE COMPONENT RANGE

TOP-COATS

Product:	Appearance:	Other Names:	Description:		
TT1	Matt	Computer Imprintable 'A'	cUL approved – general-purpose thermal transfer printable top-coat. (can also be dot matrix printed with suitable ribbon or laser toner printed)		
TT2	Gloss		cUL approved – general-purpose thermal transfer printable gloss top-coat.		
TT3	Matt	Computer Imprintable 'D'	cUL approved – high durability and chemical resistance thermal transfer printable matt top coat for automotive (brake fluid resistant) and other demanding applications. Excellent UV resistance for outdoor applications. Also printable by laser toner.		
TT4	Matt	Computer Imprintable 'B'	cUL approved – outdoor UV-resistant thermal transfer printable matt top-coat. Also printable by laser toner printers and some dot matrix ribbons.		
TT5	Matt		cUL approved – premium quality thermal transfer and flexo-printable matt top-coat. Can be thermal transfer printed at lower heat settings on many printers, thus extending print-head life.		
LT1	Matt	TT4	Not cUL approved with laser toner– general-purpose laser toner printable matt top-coat. Also printable by laser toner printers and some dot matrix ribbons.		

BASE FILMS (POLYESTER) – Most base films are GLOSS, unless indicated. A MATT appearance is due to the application of a MATT TOP-COAT

Colour:	Appearance (Before top-coat):	Thickness:	Description:	POLYESTER IS OFTEN REFERRED TO AS 'PET' OR 'PT'	
White	Gloss	36 micron (μ)	Primary substrate for top-coating		
White	Gloss	50 micron (μ)	Primary substrate for top-coating		
White	Gloss	75 micron (μ)	Primary substrate for top-coating		
Silver	Gloss	36 micron (μ)	Primary substrate for top-coating		
Silver	Gloss	50 micron (μ)	Primary substrate for top-coating		
Silver	Gloss	75 micron (μ)	Primary substrate for top-coating		
Silver	Platinum	50 micron (μ)	Primary substrate for top-coating		
Clear	Gloss	23 micron (μ)	Primary substrate for top-coating and over-laminating films		
Clear	Gloss	36 micron (μ)	Super-clear polyester for pharmaceutical (autoclavable) applications and temporary panel / window protection (e.g. 3M 76991)		
Clear	Gloss	50 micron (μ)	Primary substrate for top-coating and over-laminating films		

BASE FILMS (POLYPROPYLENE)

Colour:	Appearance (Before top-coat):	Thickness:	Description:	POLYPROPYLENE IS OFTEN REFERRED TO AS 'PP'	
White	Gloss	60 micron (μ)	Polyester alternative for cost efficiency. Main compatible top-coat is TT3.		
Silver	Gloss	30 micron (μ)	Used for multi-layer laminate barrier coating (domestic air freshener cover labels)		

BASE FILMS (PVC)

Colour:	Appearance (Before top-coat):	Thickness:	Description:		
White	Gloss	200 micron (μ)	Tags – unlaminated (with top-coat, but without adhesive or liner). Used for identification tags on construction components, timber, pallets & barrels, horticultural plant tags, ski passes etc.		
White	Gloss	250 micron (μ)	Tags – unlaminated (with top-coat, but without adhesive or liner). Used for identification tags on construction components, timber, pallets & barrels, horticultural plant tags, ski passes etc.		

BASE FILMS (POLYETHYLENE)

Colour:	Appearance (Before top-coat):	Thickness:	Description:	POLYETHYLENE IS OFTEN REFERRED TO AS 'PE'	
White	Matt	90 micron (μ)	High density polyethylene (HDPE) for thermal transfer printing. Used for chemical drum labels, pallet labels DIY and Automotive applications.		

BASE FILMS (ACETATE)

Colour:	Appearance (Before top-coat):	Thickness:	Description:	ACETATE IS OFTEN REFERRED TO AS 'ACE'	
Clear	Gloss	50 micron (μ)	High-clarity acetate for internal decorative applications. (Internal advertising and promotional applications).		

BASE FILMS (TAMPER-EVIDENT ACETATE)

Colour:	Appearance (Before top-coat):	Thickness:	Description:	TAMPER INDICATING ACETATE IS OFTEN REFERRED TO AS 'ACE-TE'	
White	Gloss	50 micron (μ)	Tamper-evident material which breaks easily if attempts are made to lift the label from the substrate. Ideal for packaging and security seals in retail environment.		
Clear	Gloss	50 micron (μ)	Tamper-evident material which breaks easily if attempts are made to lift the label from the substrate. Ideal for packaging and security seals in retail environment.		

BASE FILMS (TAMPER-INDICATING POLYESTER)

Colour:	Appearance (Before top-coat):	Thickness:	Description:
White	Gloss	50 micron (μ)	Polyester which leaves a footprint saying 'VOID' on the substrate and also in relief behind the label face when the label is lifted away from the substrate.
Silver	Gloss	50 micron (μ)	Polyester which leaves a footprint saying 'VOID' on the substrate and also in relief behind the label face when the label is lifted away from the substrate.
White	Gloss	50 micron (μ)	Polyester which leaves a footprint of a TRIANGLE pattern on the substrate and also in relief behind the label face when the label is lifted away from the substrate.
Silver	Gloss	50 micron (μ)	Polyester which leaves a footprint of a TRIANGLE pattern on the substrate and also in relief behind the label face when the label is lifted away from the substrate.

BASE FILMS (TAMPER-INDICATING POLYETHYLENE)

Colour:	Appearance (Before top-coat):	Thickness:	Description:
Purple	Semi Gloss	60 micron (μ)	HDPE security film which, when removal is attempted, leaves a 'STOP' destruct pattern in pink in the material face, showing evidence of tampering from a distance and also a corresponding footprint in blue on the substrate.

BASE FILMS (ABS)

Colour:	Appearance (Before top-coat):	Thickness:	Description:
White	Gloss	50 micron (μ)	Recyclable material for use with PC, PS, HIPS, ABS or mixtures of these plastics. Does not need to be removed from part before recycling.

ADHESIVES

Product:	Other Names:	Adhesive Thickness:	Description:	Application Temperature:	Service Temperature:
350E		Variable – to customer requirement	Solvent acrylic adhesive – highest performing 3M permanent adhesive. Excellent on HSE, LSE & slightly oily surfaces. cUL approved.	> 5°C	-40°C to +150 °C
300E		Variable – to customer requirement	Solvent acrylic permanent adhesive – high performance on HSE and LSE surfaces. cUL approved.	> 5°C	-40°C to +150 °C
250E	Equiv. HP250	Variable – to customer requirement	Solvent acrylic permanent adhesive – high performance on HSE and LSE surfaces. cUL approved.	> 5°C	-40°C to +150 °C
310E	Equiv. HP100	Variable – to customer requirement	Solvent acrylic permanent adhesive – high performance on HSE surfaces (not LSE) Very good clarity and UV stability for outdoor use. cUL approved.	> 5°C	-40°C to +150 °C
R240		Variable – to customer requirement	Solvent acrylic – super-clear removable adhesive.	> 5°C	-40°C to +150 °C
R180		Variable – to customer requirement	Solvent acrylic – general-purpose removable adhesive.	> 5°C	-40°C to +150 °C
SA150		Variable – to customer requirement	Solvent acrylic – removable adhesive for air freshener applications (polypropylene & PVC surfaces)	> 5°C	-40°C to +150 °C
241E		Variable – to customer requirement	Emulsion (water-based) acrylic – suitable for chemical drum & pallet labelling. BS5609 approved.	> -5°C	-20°C to +70 °C
450E	Equiv. FP400	Variable – to customer requirement	Emulsion (water-based) acrylic – general-purpose	> -5°C	-20°C to +70 °C
AT231		Variable – to customer requirement	Emulsion (water-based) acrylic – general-purpose	> -5°C	-20°C to +70 °C

LINERS

Product:	Thickness:	Description:		
65WG	56 micron (μ)	Standard 62gsm white glassine unprinted liner used for roll to roll thermal transfer applications etc. High transparency for printer sensor reading. Automatic dispensing. Good die cutting.		
65DWG	56 micron (μ)	Double-sided 62gsm white glassine unprinted liner used for roll to roll thermal transfer applications with thick adhesive coatings. High transparency for printer sensor reading. Automatic dispensing. Good die cutting		
90WG	77 micron (μ)	Standard 90gsm white glassine unprinted liner used for roll to roll thermal transfer applications etc. High transparency for printer sensor reading. Automatic dispensing. Good die cutting.		
90DWG	77 micron (μ)	Double-sided 90gsm white glassine unprinted liner used for roll to roll thermal transfer applications with thick adhesive coatings. High transparency for printer sensor reading. Automatic dispensing. Good die cutting		
65HG	56 micron (μ)	Standard 62gsm honey (yellow) glassine unprinted liner used for roll to roll thermal transfer applications etc. High transparency for printer sensor reading. Automatic dispensing. Good die cutting.		
72WK	70 micron (μ)	Thin 72gsm PE-coated kraft liner.		

90LK		94 micron (μ)	Standard 90gsm lay-flat white kraft unprinted liner. Used for lay-flat applications such as A4 laser sheets.		
100LK		130 micron (μ)	Standard two-sided PE coated lay-flat white kraft unprinted liner. Used for lay-flat applications such as A4 laser sheets.		
150LK		160 micron (μ)	Heavy two-sided PE coated lay-flat white kraft unprinted liner. Used for wide-format lay-flat sheet applications such as wide format laser printing or screen printing.		
36SP		36 micron (μ)	36 micron siliconised clear polyester film liner, used to achieve super-clear adhesive coating for pharmaceutical applications or protective over-laminating films.		
50WSP		50 micron (μ)	50 micron siliconised white polyester film liner, used to achieve super-clear adhesive coating for pharmaceutical applications or protective over-laminating films.		



INDEX BY PRODUCT NUMBER

PRODUCT:	PAGE:
----------	-------

3690E	5
3692E	5
3698E	6
3921	5
3922	5
3929	6
5770	3
5771	3
7000	11
7110	11
7113	11
7142	11
7380	8
7382	8
7384	8
7613	8
76500	9
76550C	4
76610	3
76730	5
76750	5
76901	9
76903	9
76991	10
76998	6

PRODUCT:	PAGE:
----------	-------

7711	9
7713	9
7731FL	10
7732FL	9
7735FL	10
7736	9
7746	10
7777	6
7808E	4
7810EH	3
7813EH	4
7815EB	3
7815EH	3
7816E	3
7816EH	3
7818EH	4
7847	7
7860E	3
7860EH	4
7861E	4
7866	8
7868E	4
7870E	3
7871EC	4
7871EJ	4

PRODUCT:	PAGE:
----------	-------

7872EC	5
7872EJ	5
7874EC	3
7875E	5
7876EC	4
7879EJ	4
8000E	6
C03CQ	16
C112I	16
C11CI	16
C22CI	16
D502A	15
D84VB	13
D84YB	13
D85VB	12
D85YB	12
FP02850E	7
FV02490N	10
FVT44	7
G18S6	15,16
G5330	15
G5340	15
G61SB	12
G61WB	12

PRODUCT:	PAGE:
----------	-------

G62SB	12
G62WB	12
G635H	13
G645H	13
GHTR	13
H00C3	14,17
H00CB	14
H00CH	14
H00YH	14
H01C3	14,17
H01CH	14

PRODUCT:	PAGE:
----------	-------

H01YH	14
H02C3	15
H02CB	15
H10CH	14
H11CH	14
I00Y3	17
I01Y3	17
I02Y3	17
I03Y3	17

Contact 3M ...

If you wish to place an order, check stock or lead times, call our Customer Service Line:

0161 237 6165

For details of our wider range of Label Materials, product data sheets or application information, call our Converter help Line:

0161 237 6181





**3M Converter Markets
Tapes & Adhesives Group
3M United Kingdom PLC**

**3M Converter Markets
Tapes & Adhesives Group
3M Ireland**

3M House,
28 Great Jackson Street
Manchester M15 4PA
Tel: 0161 237 6165
Fax: 0161 237 9320

3M House, Adelphi Centre
Dun Laoghaire
Co. Dublin
Tel: (01) 280 3555
Fax: (01) 280 3509

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. Contact us for details of our full range.



CJ1069