



Performance Label Materials Product Selection Guide



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, including information on 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.

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 To Help You Succeed



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3M™ Performance Label Materials for Thermal Transfer Printing

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil. Thermal transfer image durability is dependent upon ribbon selection and top-coat compatibility. For more information, call your 3M Sales contact. Highlighted products represent "core" thermal transfer printable products and are an ideal starting point in product selection.

Polyester, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
5770	Thermal transfer printable face material with high stability adhesive. Offers permanent adhesion, yet is removable from many surfaces.	Face material: 50µ Polyester, Matt White / MTC Adhesive: 3M™ 550 Liner: 90gsm Densified Kraft	UL CSA RoHS
7810E	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Excellent adhesion to LSE substrates.	Face material: 50µ Polyester, Matt White / TT3 Adhesive: 3M™ 300E Liner: 65gsm White Glassine	UL cUL 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.	Face material: 50µ Polyester, Matt White / TT5 Adhesive: 3M™ 300E Liner: 90gsm White Glassine	UL cUL RoHS
7815E	Features ultra-smooth top-coat, ideal for bar code applications. Good durability with a wide range of ribbons. Firm adhesive that resists oozing. TT1 Top-coat.	Face material: 50µ Polyester, Matt White / TT1 Adhesive: 3M™ 310E Liner: 65gsm 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.	Face material: 50µ Polyester, Matt White / TT5 Adhesive: 3M™ 310E Liner: 65gsm 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.	Face material: 50µ Polyester, Matt White / TT5 Adhesive: 3M™ 310E Liner: 90gsm White Glassine	UL cUL 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.	Face material: 50µ Polyester, Matt White / TT3 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL cUL 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. Utilises 3M "A" Top-coat.	Face material: 50µ Polyester, Matt White / TCA Adhesive: 3M™ HP100 Liner: 90gsm White Glassine	UL BS5609 RoHS
H11C3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. Utilises 3M "B" Top-coat.	Face material: 50µ Polyester, Matt White / TCB Adhesive: 3M™ HP100 Liner: 90gsm Lay-flat Kraft	UL cUL RoHS
H11CH	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing. Utilises 3M "B" Top-coat.	Face material: 50µ Polyester, Matt White / TCB Adhesive: 3M™ HP100 Liner: 90gsm White Glassine	UL cUL RoHS
H11P3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Removable adhesive. Utilises 3M "B" Top-coat.	Face material: 50µ Polyester, Matt White / TCB Adhesive: 3M™ R185 Liner: 90gsm Lay-flat Kraft	RoHS
G61SB	Matt top-coated. Suitable for use with a wide range of ribbons to give a durable image. Designed for general purpose durable label applications in a wide range of industry sectors.	Face material: 50µ Polyester, Matt White / MTC Adhesive: 3M™ 250E Liner: 65gsm White Glassine	UL cUL RoHS

Matt top-coated

Polyester, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
5771	Thermal transfer printable face material with high stability adhesive. Offers permanent adhesion, yet is removable from many surfaces.	Face material: 50µ Polyester, Gloss White / GTC Adhesive: 3M™ 550 Liner: 90gsm Densified Kraft	UL CSA RoHS
7816E	Offers excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 310E Liner: 65gsm White Glassine	UL cUL RoHS
7816EC	Offers excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 310E Liner: 65gsm Double-sided White Glassine	UL RoHS
7816EH	Offers excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 310E Liner: 90gsm White Glassine	UL cUL RoHS
7860E	Durable face material for harsh environments. Excellent results with a wide range of ribbons. Excellent adhesion to low surface energy plastics.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 300 Liner: 65gsm White Glassine	UL cUL RoHS
7860EH	Durable face material for harsh environments. Excellent results with a wide range of ribbons. Excellent adhesion to low surface energy plastics.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 300E Liner: 90gsm White Glassine	UL cUL RoHS

Gloss top-coated

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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.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 350E/20gsm Liner: 65gsm White Glassine	UL cUL RoHS
7871EC	350E adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. plastics, powder or slightly oily metals.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL cUL RoHS
7871EJ	350 adhesive for performance applications that require thermal transfer printing and demand adhesive performance on difficult to stick to surfaces, e.g. plastics, powder or slightly oily metals.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M 350E/46 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS
D85YB	Print-treated surface. Suitable for use with a wide range of ribbons to give a durable image. Designed for general purpose durable label applications in a wide range of industry sectors.	Face material: 50µ Polyester, Semi-gloss White / PT Adhesive: 3M 250E Liner: 65gsm White Glassine	UL cUL RoHS
Print-treated			

Polyester, Matt Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76550C	350E adhesive for performance applications that require thermal transfer printing. 3M TT3 offers brake fluid resistance when printed with a suitable ribbon. Ideal for use as an over-laminate for automotive applications.	Face material: 50µ Polyester, Matt Clear / TT3 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL RoHS
H12CB	Matt top-coated 25 micron film – ideal for use as a thermal transfer printable over-laminate. Firm adhesive that resists oozing.	Face material: 25µ Polyester, Matt Clear / TCB Adhesive: 3M™ HP100 Liner: 65gsm White Glassine	RoHS
H12C3	Matt top-coated 25 micron film – ideal for use as a thermal transfer printable over-laminate. Firm adhesive that resists oozing.	Face material: 25µ Polyester, Matt Clear / TCB Adhesive: 3M™ HP100 Liner: 90gsm Lay-flat Kraft	RoHS
H02C3	Matt top-coated 25 micron film – ideal for use as a thermal transfer printable over-laminate. Firm adhesive that resists oozing.	Face material: 25µ Polyester, Matt Clear / TCA Adhesive: 3M™ HP100 Liner: 90gsm Lay-flat Kraft	UL RoHS

Polyester, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7861	Ideal as an over-laminate where thermal transfer printability is required. Excellent adhesion to low surface energy plastics.	Face material: 50µ Polyester, Gloss Clear / TT2 Adhesive: 3M™ 300 Liner: 65gsm White Glassine	UL CSA RoHS
7861E	Ideal as an over-laminate where thermal transfer printability is required. Excellent adhesion to low surface energy plastics.	Face material: 50µ Polyester, Gloss Clear / TT2 Adhesive: 3M™ 300E Liner: 65gsm White Glassine	UL cUL RoHS
7861EH	Ideal as an over-laminate where thermal transfer printability is required. Excellent adhesion to low surface energy plastics.	Face material: 50µ Polyester, Gloss Clear / TT2 Adhesive: 3M™ 300E Liner: 90gsm White Glassine	UL RoHS
7876EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats.	Face material: 50µ Polyester, Gloss Clear / TT2 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm White Glassine	UL RoHS
G35CC	25 micron film – ideal for use as a thermal transfer printable over-laminate. Firm adhesive that resists oozing.	Face material: Polyester, Gloss Clear / TT2 Adhesive: 3M™ HP100 Liner: 65gsm Double-sided White Glassine	UL RoHS
G35C3	25 micron film – ideal for use as a thermal transfer printable over-laminate. Firm adhesive that resists oozing.	Face material: Polyester, Gloss Clear / TT2 Adhesive: 3M™ HP100 Liner: 90gsm Lay-flat Kraft	UL RoHS

Polyester, Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76712	Thin face material (36 micron) conforms to curved surfaces. Durable TT3 top-coat offers brake fluid resistance with suitable ribbon. Ideal for automotive applications.	Face material: 36µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 450E Liner: 90gsm White Glassine	UL RoHS
7808E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing. Durable TT3 top-coat offers brake fluid resistance with suitable ribbon. Ideal for automotive applications.	Face material: 50µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 310E Liner: 90gsm White Glassine	UL RoHS
76751S	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats. TT3 durable top-coat offers brake fluid resistance on a 50 micron face material.	Face material: 50µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 350E/46 gsm Liner: 90gsm Double-sided White Glassine	UL RoHS
76751C	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats. TT3 durable top-coat offers brake fluid resistance on a 50 micron face material.	Face material: 50µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL RoHS
7813E	75 micron face offers good rigidity for bar code labels or information labels. Good durability with a wide range of ribbons. Excellent durability with a wide range of ribbons.	Face material: 75µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 300E Liner: 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 adhesion to low surface energy substrates.	Face material: 75µ Polyester, Matt Silver / TT5 Adhesive: 3M™ 300E Liner: 90gsm White Glassine	UL 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.	Face material: 75µ Polyester, Matt Silver / TT5 Adhesive: 3M™ 310E Liner: 90gsm White Glassine	UL cUL RoHS
7879EJ	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats. TT3 durable top-coat offers brake fluid resistance on a 75 micron face material.	Face material: 75µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 350E/46 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS
H00C3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing..	Face material: 50µ Polyester, Matt Silver / TCA Adhesive: 3M™ HP100 Liner: 90gsm White Lay-flat Kraft	UL, cUL BS5609 RoHS
H00CB	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Matt Silver / TCA Adhesive: 3M™ HP100 Liner: 65gsm 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.	Face material: 50µ Polyester, Matt Silver / TCA Adhesive: 3M™ HP100 Liner: 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.	Face material: 50µ Polyester, Matt Silver / TCA Adhesive: 3M™ HP250 Liner: 90gsm White Glassine	UL 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.	Face material: 50µ Polyester, Matt Silver / TCB Adhesive: 3M™ HP100 Liner: 90gsm White Glassine	UL RoHS
G62SB	Matt top-coated. Suitable for use with a wide range of ribbons to give a durable image. Designed for general purpose durable label applications in a wide range of industry sectors.	Face material: 50µ Polyester, Matt Silver /MTC Adhesive: 3M™ 250E Liner: 65gsm White Glassine	UL cUL RoHS
Matt top-coated			

Polyester, Gloss Silver (Platinum)

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7872EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats. Double-sided liner resists blocking of die-cut labels.	Face material: 50µ Polyester, Gloss Silver / TT2 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL cUL RoHS
7872EJ	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats. Double-sided liner resists blocking of die-cut labels.	Face material: 50µ Polyester, Gloss Silver / TT2 Adhesive: 3M™ 350E/46 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS
7875E	Excellent durability with a wide range of ribbons. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Gloss Silver / TT2 Adhesive: 3M™ 310E Liner: 65gsm White Glassine	UL cUL RoHS
D84YB	Print-treated surface. Suitable for use with a wide range of ribbons to give a durable image. Designed for general purpose durable label applications in a wide range of industry sectors.	Face material: 50µ Polyester, Gloss Silver / PT Adhesive: 3M™ 250E Liner: 65gsm White Glassine	UL cUL RoHS
Print-treated			

Polyester, Bright Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7863	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to low surface energy plastics and powder coats.	Face material: 50µ Polyester, Bright Silver / GTC Adhesive: 3M™ 300 Liner: 90gsm Densified Kraft	UL CSA RoHS
Gloss top-coated			

Polypropylene, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76710	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.	Face material: 60µ Polypropylene, Gloss White / TT0 Adhesive: 3M™ 350E/30 gsm Liner: 65gsm White Glassine	RoHS
7777	Corona treated. Bright white face material offers high opacity. Film stiffness offers easy die-cutting and dispensing on automatic applicators. Good thermal transfer printability using suitable resin ribbon.	Face material: 60µ Polypropylene, Gloss White / PT Adhesive: 3M™ P1400 Liner: 90gsm Densified Kraft	UL CSA RoHS
7779	Corona treated. Bright white face material offers high opacity. Film stiffness offers easy die-cutting and dispensing on automatic applicators. Good thermal transfer printability using suitable resin ribbon. Good adhesive performance on difficult surfaces.	Face material: 60µ Polypropylene, Gloss White / PT Adhesive: 3M™ 350 Liner: 90gsm Densified Kraft	UL CSA RoHS

Polypropylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 60µ Polypropylene, Matt White / MTC Adhesive: 3M™ FP400 Liner: 65gsm White Glassine	UL cUL RoHS

Print-treated
Matt top-coated

Polyethylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76998	Ideal for packaging labels or drum labels. 241E adhesive can be applied at low temperatures. Smooth surface for thermal transfer printing with a suitable resin ribbon.	Face material: 110µ High Density Polyethylene, Matt White / TT0 Adhesive: 3M™ 241E Liner: 65gsm White Glassine	BS5609 RoHS



3M™ Rigid Tag Materials for Thermal Transfer Printing

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

PVC Rigid Tag, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 200µ Rigid PVC Matt White / MTC Adhesive: N/A Liner: 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.	Face material: 250µ Rigid PVC Matt White / MTC Adhesive: N/A Liner: N/A	RoHS

Polyester Thick Caliper Tag Material, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76613	Matt white thick caliper tag material for applications where adhesive labels are not required, such as tie-on labels for tube or steel rod identification, identification of IBCs, pallet tags or scaffold tags where durability and performance is required.	Face material: Polyester, Matt White, 125 micron/TT5 Adhesive: N/A Liner: N/A	RoHS
76619	Matt white thick caliper tag material for applications where adhesive labels are not required, such as tie-on labels for tube or steel rod identification, identification of IBCs, pallet tags or scaffold tags where durability and performance is required.	Face material: Polyester, Matt White, 175 micron/TT5 Adhesive: N/A Liner: N/A	RoHS

Polyester Thick Caliper Tag Material, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76612	Gloss white thick caliper tag material for applications where adhesive labels are not required, such as tie-on labels for tube or steel rod identification, identification of IBCs, pallet tags or scaffold tags where durability and performance is required.	Face material: Polyester, Gloss White, 125 micron/TT0 Adhesive: N/A Liner: N/A	RoHS
76614	Gloss white thick caliper tag material for applications where adhesive labels are not required, such as tie-on labels for tube or steel rod identification, identification of IBCs, pallet tags or scaffold tags where durability and performance is required.	Face material: Polyester, Gloss White, 175 micron/TT0 Adhesive: N/A Liner: N/A	RoHS

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3M™ High Temperature Resistant Label Materials for Thermal Transfer Printing

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

Acrylic, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
3921	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels. Smooth surface for superior thermal transfer printing of fine bar codes.	Face material: 50µ Acrylic, Matt White Adhesive: 3M™ 150 Liner: 90gsm Densified Kraft	UL CSA RoHS
3922	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels. Smooth surface for superior thermal transfer printing of fine bar codes. Lower coat-weight of adhesive than 3M 3921, making it ideal for smooth surfaces.	Face material: 50µ Acrylic, Matt White Adhesive: 3M™ 150 Liner: 65gsm Double-sided White Glassine	UL CSA RoHS
3922DSL	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels. Smooth surface for superior thermal transfer printing of fine bar codes. Lower coat-weight of adhesive than 3M 3921, making it ideal for smooth surfaces.	Face material: 50µ Acrylic, Matt White Adhesive: 3M™ 150 Liner: 90gsm Double-sided White Glassine	UL CSA RoHS
GHTR	Offers ultra-high temperature performance. Ideal for PCB labels and high temperature resistant labels. Smooth surface for superior thermal transfer printing of fine bar codes.	Face material: 50µ Acrylic, Matt White Adhesive: 3M™ 150 Liner: 65gsm Double-sided White Glassine	RoHS



3M™ Retro-reflective Label Materials for Thermal Transfer Printing

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

Gloss Silver, Retro-reflective

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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. Smooth surface for superior bar code printing.	Face material: 122µ Gloss Silver, retro-reflective / GTC Adhesive: 3M™ 200 Liner: 130gsm Clay-coated Kraft	RoHS

Gloss top-coated



3M™ Performance Tyre Label Materials for Thermal Transfer Printing

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:	Product Construction:	Specs:
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.	Face material: 66µ Polypropylene, Gloss White / TC2S Adhesive: 3M™ G1120/56 gsm Liner: 90gsm Double-sided Super-calendered Kraft	RoHS

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3M™ Rough Surface Label Materials for Thermal Transfer Printing

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:	Product Construction:	Specs:
76617	Extra-high coat-weight 350E adhesive for performance applications that require adhesion to rough surfaces, such as steel and applications requiring outdoor resistance. Thermal transfer printable. Double-sided liner resists blocking of die-cut labels.	Face material: 75µ Polyester, Matt White / TT4 Adhesive: 3M™ 350E/65 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS

Polyester, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76615	Extra-high coat-weight 350E adhesive for performance applications that require adhesion to rough surfaces, such as steel and applications requiring outdoor resistance. Thermal transfer printable. Double-sided liner resists blocking of die-cut labels.	Face material: 75µ Polyester, Gloss White / TT0 Adhesive: 3M™ 350E/65 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS

Polyester, Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76759	Extra-high coat-weight 350E adhesive for performance applications that require adhesion to rough surfaces, such as steel and applications requiring outdoor resistance. Thermal transfer printable. Double-sided liner resists blocking of die-cut labels.	Face material: 75µ Polyester, Matt Silver / TT4 Adhesive: 3M™ 350E/65 gsm Liner: 90gsm Double-sided White Glassine	UL cUL RoHS



3M™ Superior Bond Label Materials for Thermal Transfer Printing

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:	Product Construction:	Specs:
92200	Extra-high coat-weight adhesive, suitable for bonding to difficult surfaces, such as composite plastics used in the automotive industry. SE100 provides superior bond strength to most surfaces, making it extremely high performing. Double-sided liner helps prevent blocking.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ SE100/65gsm Liner: 65gsm Double-sided White Glassine	RoHS
92201	As 3M 92200 but with 38gsm adhesive, suitable for bonding to difficult surfaces, such as composite plastics used in the automotive industry. SE100 provides superior bond strength to most surfaces, making it extremely high performing. Double-sided liner helps prevent blocking.	Face material: 50µ Polyester, Gloss White / TT2 Adhesive: 3M™ SE100/38gsm Liner: 65gsm Double-sided White Glassine	RoHS

Polyester, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
92150	Very high performing adhesive, suitable for bonding to difficult surfaces, such as composite plastics used in the automotive industry. SE100 provides superior bond strength to most surfaces, making it extremely high performing. TT3 top-coat gives chemical resistance.	Face material: 50µ Polyester, Gloss White / TT3 Adhesive: 3M™ SE100/38gsm Liner: 65gsm Double-sided White Glassine	RoHS
92100	Very high performing adhesive, suitable for bonding to difficult surfaces, such as composite plastics used in the automotive industry. SE100 provides superior bond strength to most surfaces, making it extremely high performing. TT5 top-coat allows very fine print.	Face material: 50µ Polyester, Gloss White / TT5 Adhesive: 3M™ SE100/38gsm Liner: 65gsm Double-sided White Glassine	RoHS



3M™ Chemical Resistant Label Materials for Thermal Transfer Printing

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:	Product Construction:	Specs:
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.	Face material: 50µ Polyester, Matt White / HDTC Adhesive: 3M™ 350E/27gsm Liner: 90gsm White Glassine	RoHS
76962	Face material is top-coated with our most 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, MEK, acetone	Face material: 50µ Polyester, Matt White / ARTC Adhesive: 3M™ 350E/46gsm Liner: 65gsm Double-sided White Glassine	RoHS

Polyester, Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76964	Face material is top-coated with our most 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, MEK, acetone	Face material: 50µ Polyester, Matt Silver / ARTC Adhesive: 3M™ 350E/46gsm Liner: 65gsm Double-sided White Glassine	RoHS

Polypropylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76959	Face material is top-coated with our most 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, MEK, acetone	Face material: 60µ Polypropylene, Matt White / ARTC Adhesive: 3M™ 350E/20gsm Liner: 90gsm Double-sided White Glassine	RoHS

Polypropylene, Gloss White*

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7779	Corona treated. Bright white face material offers high opacity. Film stiffness offers easy die-cutting and dispensing on automatic applicators. Good thermal transfer printability using suitable resin ribbon. Good adhesive performance on difficult surfaces.	Face material: 60µ Polypropylene, Gloss White / PT Adhesive: 3M™ 350 Liner: 90gsm Densified Kraft	UL CSA RoHS

* Label material demonstrates good resistance to chemicals including Acetone when used in conjunction with a 3M™ Thermal Transfer Ribbon 92904

Print-treated
Heavy Duty Top-coat
Acetone-resistant Top-coat



3M™ Tamper Indicating Label Materials for Thermal Transfer Printing

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

Polyurethane, Matt White Destructible

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
3812	Resists one-piece removal. face material fractures and tears easily. Excellent adhesion to low surface energy plastics, powder coats and many other difficult surfaces.	Face material: 40µ Polyurethane, Matt White Destructible Adhesive: 3M™ 350 Liner: 90gsm White Glassine	UL CSA RoHS
3812DSL	Resists one-piece removal. face material fractures and tears easily. Excellent adhesion to low surface energy plastics, powder coats and many other difficult surfaces.	Face material: 40µ Polyurethane, Matt White Destructible Adhesive: 3M™ 350 Liner: 65gsm Double-sided White Glassine	UL CSA RoHS

Vinyl, Matt White Destructible

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7613T	Resists one-piece removal. face material fractures and tears easily. Excellent adhesion to low surface energy plastics, powder coats and many other difficult surfaces. Pigmented film has 'block-out' capability.	Face material: 50µ Vinyl, Matt White Destructible / TC Adhesive: 3M™ 350 Liner: 90gsm Densified Kraft	UL CSA RoHS

Acetate, Matt White Destructible

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7711	Resists one-piece removal. face material fractures and tears easily. Ideal for seals on packaging and containers.	Face material: 50µ Acetate, Matt White Destructible / TC Adhesive: 3M™ 250E Liner: 90gsm White Glassine	RoHS

Acetate, Matt Clear Destructible

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7713	Resists one-piece removal. face material fractures and tears easily. Ideal for seals on packaging and containers.	Face material: 50µ Acetate, Matt Clear Destructible / TC Adhesive: 3M™ 250E Liner: 90gsm White Glassine	RoHS

Polyester, Matt White Tamper Indicating

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7380	Tamper indicating '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.	Face material: 50µ Polyester, Matt White VOID / TC Adhesive: 3M™ 300 Liner: 90gsm Densified Kraft	UL CSA RoHS
G635H	Tamper indicating '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.	Face material: 50µ Polyester, Matt White TRIANGLES / MTC Adhesive: 3M™ 350E/20 gsm Liner: 90gsm White Glassine	RoHS

Polyester, Gloss White Tamper Indicating

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7866	Tamper indicating '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.	Face material: 50µ Polyester, Gloss White VOID / TC Adhesive: 3M™ 300 Liner: 90gsm Densified Kraft	RoHS

Polyester, Matt Silver Tamper Indicating

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
G645H	Tamper indicating '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.	Face material: 50µ Polyester, Matt Silver TRIANGLES / MTC Adhesive: 3M™ 350E/20 gsm Liner: 90gsm White Glassine	RoHS

Top-coated
Matt top-coated

Polyester, Bright Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76799	Tamper-indicating – designed to provide a VOID message in the face material when removal is attempted. 3M 300E adhesive provides excellent adhesion, temperature and chemical resistance. Bonds well to most surfaces.	Face material: 50µ Polyester, Bright Silver VOID / TT2 Adhesive: 3M™ 300 Liner: 90gsm White Glassine	RoHS

Polyester, Gloss Yellow

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76805	Tamper-indicating – designed to provide a VOID message in the face material when removal is attempted. 3M 350E adhesive provides excellent adhesion, temperature and chemical resistance. Bonds well to most surfaces.	Face material: 50µ Polyester, Gloss Yellow VOID / TT0 Adhesive: 3M™ 350E/20gsm Liner: 90gsm White Glassine	UL cUL RoHS

Polyester, Matt Yellow

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76806	Tamper-indicating – designed to provide a VOID message in the face material when removal is attempted. 3M 350E adhesive provides excellent adhesion, temperature and chemical resistance. Bonds well to most surfaces.	Face material: 50µ Polyester, Matt Yellow VOID / TT5 Adhesive: 3M™ 350E/20gsm Liner: 90gsm White Glassine	UL cUL RoHS

Destructible Polyethylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76968E	Tamper indicating polyethylene material which is ideal for a range of label and seal applications. Destructible face material causes label to tear and de-laminate if removal is attempted.	Face material: 109µ PE, Destructible Matt White / TT0 Adhesive: 3M™ 350E/20gsm Liner: 90gsm White Glassine	RoHS

High Density Polyethylene, Tamper Indicating

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76901	Tamper indicating 'STOP' destruct pattern with colour change from purple to pink for easy recognition of tampering. Highly conformable. Adhesive bonds to most surfaces. Ideal for seals.	Face material: 80µ HDPE, Purple STOP Adhesive: 3M™ 241E Liner: 65gsm White Glassine	RoHS
76903E	Tamper indicating 'STOP' destruct pattern with colour change from purple to pink for easy recognition of tampering. Highly conformable. Adhesive bonds to most surfaces. Ideal for seals. Adhesive leaves no residue on surface. For smooth HSE surfaces.	Face material: 80µ HDPE, Purple STOP Adhesive: 3M™ R186 Liner: 65gsm White Glassine	RoHS
76906	Tamper indicating 'STOP' destruct pattern with colour change from purple to pink for easy recognition of tampering. Highly conformable. Adhesive bonds to most surfaces. Ideal for seals. As 76903E, but better on LSE or textured surfaces.	Face material: 80µ HDPE, Purple STOP Adhesive: 3M™ R187 Liner: 65gsm White Glassine	RoHS



3M™ Durable Cast Vinyl Label Materials for Thermal Transfer and Rotary Screen Printing

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

Cast Vinyl, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
3690E	Durable cast film, flexible and conformable. Smooth surface for excellent thermal transfer printing. Outstanding weathering properties. Non-transferable on some surfaces.	Face material: 50µ Cast Vinyl, Gloss White Adhesive: 3M™ 320 Liner: 90gsm Double-sided Brown Glassine	UL CSA RoHS

Polyester, Gloss Yellow

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
3692E	Durable cast film, flexible and conformable. Smooth surface for excellent thermal transfer printing. Outstanding weathering properties. Non-transferable on some surfaces. Ideal for warning or information labels.	Face material: 50µ Cast Vinyl, Gloss Yellow Adhesive: 3M™ 320 Liner: 90gsm Double-sided Brown Glassine	UL CSA
3692-1802E	Durable cast film, flexible and conformable. Smooth surface for excellent thermal transfer printing. Outstanding weathering properties. Non-transferable on some surfaces. Ideal for warning or information labels. RoHS compliant.	Face material: 50µ Cast Vinyl, Gloss Yellow Adhesive: 3M™ 320 Liner: 90gsm Double-sided Brown Glassine	UL CSA RoHS

Cast Vinyl, Gloss Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
3698E	Durable cast film, flexible and conformable. Smooth surface for excellent thermal transfer printing. Outstanding weathering properties. Non-transferable on some surfaces.	Face material: 50µ Cast Vinyl, Gloss Silver Adhesive: 3M™ 320 Liner: 90gsm Double-sided Brown Glassine	UL CSA RoHS



3M™ Performance Label Materials for Overlaminating Applications

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil, except 3M™ Graffiti-resistant Film 7248

Polyester, Matt Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7732FL	Non top-coated. Film liner provides superior clarity. Ideal for metallised or dark colours. Excellent durability and UV resistance.	Face material: 25µ Polyester, Matt Clear Adhesive: 3M™ 400 Liner: Polyester Film	UL CSA 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.	Face material: 23µ Polyester, Satin - Matt Clear Adhesive: 3M™ 310E Liner: 73gsm Poly-coated Kraft	RoHS
7742	Non top-coated. For general purpose over-laminating. Excellent abrasion, UV and chemical resistance.	Face material: 25µ Polyester, Matt Clear Adhesive: 3M™ 400 Liner: 70gsm Densified Kraft	UL CSA RoHS
C22CI	23 Micron clear polyester, designed as a high performance over-laminating film. 3M HP100 adhesive provides outdoor and UV-resistant durability. Intended for longer-life applications.	Face material: 23µ Polyester, Satin - Matt Clear Adhesive: 3M™ HP100 Liner: 73gsm Poly-coated Kraft	RoHS

Polyester, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 36µ Polyester, Ultra-gloss Clear Adhesive: 3M™ R240 Liner: White Polyester Film	RoHS
7730FL	25 Micron face material Non top-coated. Film liner provides superior clarity. Ideal for metallised or dark colours. Excellent durability and UV resistance.	Face material: 25µ Polyester, Gloss Clear Adhesive: 3M™ 400 Liner: Polyester Film	UL CSA RoHS
7731FL	50 Micron face material Non top-coated. Film liner provides superior clarity. Ideal for metallised or dark colours. Excellent durability and UV resistance.	Face material: 50µ Polyester, Gloss Clear Adhesive: 3M™ 400 Liner: Polyester Film	UL CSA RoHS
7741	Non top-coated. For general purpose over-laminating. Excellent abrasion, UV and chemical resistance.	Face material: 25µ Polyester, Gloss Clear Adhesive: 3M™ 400 Liner: 70gsm Densified Kraft	UL RoHS
7746	Protective over-laminate for label and nameplate graphics. Can be used on appliances, industrial equipment, tools etc. For labels requiring a matt appearance.	Face material: 23µ Polyester, Gloss Clear Adhesive: 3M™ 310E Liner: 73gsm Poly-coated Kraft	UL RoHS
C11CI	23 Micron clear polyester, designed as a high performance over-laminating film. 3M HP100 adhesive provides outdoor and UV-resistant durability. Intended for longer-life applications.	Face material: 23µ Polyester, Gloss Clear Adhesive: 3M™ HP100 Liner: 72gsm White Kraft	UL RoHS

Acrylic, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7735FL	Designed for long-term applications. Special UV-resistant film provides a minimum of 5 years outdoor durability in most applications.	Face material: 76µ Acrylic, Gloss Clear Adhesive: 3M™ 400 Liner: Polyester Film	UL RoHS

Vinyl, Clear Textured

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
FV02490N	Cost-effective alternative to velvet polycarbonate for labels intended for indoor use. Good moisture and abrasion resistance. Good long-term dimensional stability.	Face material: 125µ Vinyl, Clear Textured Adhesive: 3M™ P1212 Liner: Polyester Film	RoHS

Polyester, Gloss Clear Anti-graffiti

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 50µ Polyester, Gloss Clear Graffiti-resistant Adhesive: 3M™ 400 Liner: 60µ Super-calendered Kraft	RoHS



3M™ Performance Paper Label Materials for Pharmaceutical Label Applications

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:	Product Construction:	Specs:
7110	Readily fractures or de-laminates. Ideal for tamper-indicating labelling. Provides write-on capability.	Face material: 80µ Litho, Matt White Destructible Adhesive: 3M™ 320 Liner: 70gsm Densified Kraft	UL RoHS

Litho, Uncoated White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7113	Ideal for data-processing applications. Can be easily removed and repositioned on most surfaces with no adhesive residue.	Face material: 100µ Litho, Matt White Adhesive: 3M™ 1000 Liner: 90gsm Densified Kraft	RoHS

Paper, High-gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7000	High gloss for fine printing. Adheres well to curved surfaces. can be thermal transfer printed with a suitable ribbon.	Face material: 100µ Paper, High-gloss White Adhesive: 3M™ 320 Liner: 70gsm Densified Kraft	UL RoHS

Litho, Coated White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7142	Good thermal transfer printable face material. Can be cleanly removed and repositioned on most surfaces with no adhesive residue.	Face material: 69µ Litho, Coated White Adhesive: 3M™ 1000 Liner: 90gsm Densified Kraft	RoHS

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



3M™ Performance Label Materials for Medical and Laboratory Applications

Proven 3M™ Performance Label Materials build confidence and performance into medical and pharmaceutical labelling solutions for bags, vials, syringes, bottles, tubes and equipment.

With optimised combinations of 3M adhesives and facestocks, labels perform reliably in a number of categories as shown here ...



Sterilisation



Cryogenic



Test tubes & syringes

As performance criteria often varies between laboratories and medical establishments, contact us for further information and a solution matched to your own criteria.



3M™ Performance Label Materials for Laser Toner Printing

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:	Product Construction:	Specs:
H11C3	Ideal for laser toner applications with TCB top-coating for high resolution images. Firm adhesive that resists oozing. Clay-coated kraft liner suitable for rotary die-cutting.	Face material: 50µ Polyester, Matt White / TCA Adhesive: 3M™ HP100 Liner: 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.	Face material: 50µ Polyester, Matt White Adhesive: 3M™ HP250 Liner: 90gsm White Lay-flat Kraft	UL cUL RoHS

Polyester, Matt Silver

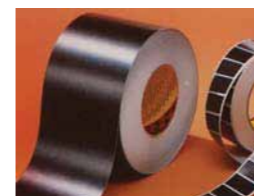
Product:	Typical Performance Characteristics:	Product Construction:	Specs:
H10C3	Ideal for laser toner applications with TCB top-coating for high resolution images. Firm adhesive that resists oozing. Clay-coated kraft liner suitable for rotary die-cutting.	Face material: 50µ Polyester, Matt Silver / TCA Adhesive: 3M™ HP100 Liner: 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.	Face material: 50µ Polyester, Matt Silver Adhesive: 3M™ HP250 Liner: 90gsm White Lay-flat Kraft	UL cUL RoHS

Polyester, Matt Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 25µ Polyester, Matt Clear / TCA Adhesive: 3M™ HP100 Liner: 90gsm White Lay-flat Kraft	UL RoHS
H13C3	Ideal for laser toner applications with matt top-coating for high resolution images. Firm adhesive that resists oozing. Clay coated liner suitable for rotary die cutting.	Face material: 50µ Polyester, Matt Clear Adhesive: 3M™ HP100 Liner: 90gsm White Lay-flat Kraft	UL cUL 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.	Face material: 25µ Polyester, Matt Clear Adhesive: 3M™ HP250 Liner: 90gsm White Lay-flat Kraft	UL cUL RoHS

Polyester, Matt Yellow

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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, using a suitable ribbon for warning labels.	Face material: 50µ Polyester, Matt Yellow Adhesive: 3M™ HP250 Liner: 90gsm White Lay-flat Kraft	UL RoHS



3M™ Performance Label Materials for Durable Laser Marking Applications

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil. Highlighted products represent "core" thermal transfer printable products and are an ideal starting point in product selection.

2-Layer Acrylic, Matt Black / White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 60µ Dual-layer Acrylic Film, Matt Black/White Adhesive: 3M™ 350 Liner: 90gsm Densified Kraft	UL CSA RoHS



3M™ Performance Label Materials for Removable or Temporary Label Applications

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:	Product Construction:	Specs:
FP016902	Good conformability. Good removal from most surfaces. Excellent alternative to static cling vinyl products.	Face material: 60µ Polypropylene, Gloss White / TC2S Adhesive: 3M™ R3500 Liner: 80µ Super-calendered Kraft	RoHS
FP024502	Gloss label material, paired with a removable adhesive, designed to be easily removable from a variety of surfaces, with lower peel and tack than 3M R3500 Adhesive.	Face material: 60µ Polypropylene, Gloss White / TC2S Adhesive: 3M™ R3800 Liner: 80µ Super-calendered Kraft	RoHS

Polypropylene, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
FP0862	Good conformability. Good removal from most surfaces. Excellent alternative to static cling vinyl products.	Face material: 50µ Polypropylene, Gloss Clear / TC2S Adhesive: 3M™ R3500 Liner: 80µ Super-calendered Kraft	RoHS
FP024402	Gloss label material, paired with a removable adhesive, designed to be easily removable from a variety of surfaces, with lower peel and tack than 3M R3500 Adhesive.	Face material: 50µ Polypropylene, Gloss Clear / TC2S Adhesive: 3M™ R3800 Liner: 80µ Super-calendered Kraft	RoHS

Polyester, Semi-gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
FM01972	Semi-gloss film offers thermal stability. Thermal transfer printable. Suitable for use in masking applications where die-cut masks are required in a paint-bake process.	Face material: 50µ Polyester Semi-gloss White / MC Adhesive: 3M™ R3500 Liner: 80µ Super-calendered Kraft	RoHS

Polyester, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
H11P3	Matt top-coated – suitable for use with a range of thermal transfer ribbons to give a durable image. Removable adhesive. Utilises 3M "B" Top-coat.	Face material: 50µ Polyester, Matt White / TCB Adhesive: 3M™ R185 Liner: 90gsm Lay-flat Kraft	RoHS

Polyester, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 36µ Polyester, Ultra-gloss Clear Adhesive: 3M™ R240 Liner: White Polyester Film Matt top-coated	RoHS



3M™ Performance Label Materials for Digital (HP-Indigo) Printing

This selection of label materials is optimised for use with HP-Indigo Digital Printing Machinery.

Polyester, Digital Optimised Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7225	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Face material: 50µ Polyester, Gloss White / Digital TC Adhesive: 3M™ P1400 Liner: 80µ Super-calendered Kraft	RoHS

Polyester, Digital Optimised Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7244	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Face material: 50µ Polyester, Gloss Clear / Digital TC Adhesive: 3M™ P1400 Liner: 80µ Super-calendered Kraft	RoHS

Polyester, Digital Optimised Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7238	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Face material: 50µ Polyester, Matt Silver / Digital TC Adhesive: 3M™ P1400 Liner: 80µ Super-calendered Kraft	RoHS

Polyester, Digital Optimised Bright Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7250	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Face material: 50µ Polyester, Bright Silver / Digital TC Adhesive: 3M™ P1400 Liner: 80µ Super-calendered Kraft	RoHS

Polypropylene, Digital Optimised Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7242	Durable HP-Indigo optimised coating. Pattern-coated to eliminate adhesive ooze. Good adhesion to many substrates.	Face material: 50µ Polypropylene, Gloss White / Digital TC Adhesive: 3M™ P1400 Liner: 80µ Super-calendered Kraft	RoHS



3M™ Performance Label Materials for Digital (Xeikon) Printing

This selection of label materials has been found to provide good printing results on Xeikon printers. Further materials from the 3M range may also provide good results – call your 3M Sales contact for further details.

Polyester, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7810EH	Features ultra-smooth top-coat, ideal for bar-code applications. Excellent adhesion to LSE substrates.	Face material: 50µ Polyester, Matt White / TT5 Adhesive: 3M™ 300 Liner: 90gsm White Glassine	UL cUL RoHS
7815EH	Features ultra-smooth top-coat, ideal for bar-code applications. Firm adhesive that resists oozing.	Face material: 50µ Polyester, Matt White / TT5 Adhesive: 3M™ 310E Liner: 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.	Face material: 50µ Polyester, Matt White / LT1 Adhesive: 3M™ 250E Liner: 120gsm Poly-coated Kraft	UL cUL RoHS

Polyester, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7876EC	Heavy adhesive coat-weight for textured surfaces. Excellent high temperature resistance. Excellent adhesion to LSE substrates and powder-coats.	Face material: 50µ Polyester, Gloss Clear / TT2 Adhesive: 3M™ 350E/46 gsm Liner: 65gsm Double-sided White Glassine	UL cUL RoHS

Polyethylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76998	Ideal for packaging or drum labels. Smooth surface provides excellent definition print.	Face material: 110µ High Density Polyethylene, Matt White / TT0 Adhesive: 3M™ 241E Liner: 65gsm White Glassine	BS5609 RoHS

Polypropylene, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
G18S6	Matt top-coated go give a durable image, particularly suitable for indoor applications where the higher specification of polyester is not required. Medium-tack emulsion acrylic adhesive.	Face material: 60µ Polypropylene, Matt White / MTC Adhesive: 3M™ FP400 Liner: 65gsm White Glassine	UL cUL RoHS

Matt top-coated



3M™ Performance Label Materials for Screen (Sheet-fed) Printing

This selection of label materials is designed for use on sheet-fed screen printing machinery.

Polyester, Gloss Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7029	Excellent UV resistance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm)	Face material: 50µ Polyester, Gloss Clear / TC Adhesive: 3M™ P1400 Liner: 178µ Poly-coated Kraft	UL RoHS

Polyester, Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7032	Excellent lay-flat performance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm)	Face material: 50µ Polyester, Matt Silver / TC Adhesive: 3M™ P1400 Liner: 178µ Poly-coated Kraft	UL RoHS

Polyester, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7034	Excellent lay-flat performance. Good convertibility. Good adhesion to a variety of surfaces. Sheet size: 20" x 27" (508mm x 686mm)	Face material: 50µ Polyester, Gloss White / TC Adhesive: 3M™ P1400 Liner: 178µ Poly-coated Kraft	UL RoHS

Vinyl, Soft White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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)	Face material: 80µ Vinyl, Soft White / TC9 Adhesive: 3M™ P1400 Liner: 178µ Poly-coated Kraft	UL RoHS

Vinyl, Soft Clear

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7054	Special non-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)	Face material: 100µ Vinyl, Soft Clear / NTC Adhesive: 3M™ P1400 Liner: 178µ Poly-coated Kraft	UL RoHS

Top-coated
Non Top-coated



3M™ Performance Label Materials for Screen Printing and Resin Dome Applications

This selection of label materials can also be printed by conventional print methods such as letterpress, flexo, hot foil and is designed primarily for use in sheet-fed screen printing machinery

Polyester Resin Doming Label Material, Bright Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
7903AFL	Bright silver polyester label material for resin-doming applications. Ideal for brand identity labels. 350E adhesive bonds to most surfaces. Polyester liner has anti-static properties for excellent handling, sheet-feeding and processing.	Face material: Polyester, Bright Silver, 50 micron/TT0 Adhesive: 3M™ 350E, 46 micron Liner: 100 micron Clear Polyester, Anti-static	RoHS

Polyester Resin Doming Label Material, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76675	Gloss white polyester label material for resin-doming applications. Ideal for brand identity labels. 350E adhesive bonds to most surfaces. Polyester liner has anti-static properties for excellent handling, sheet-feeding and processing.	Face material: Polyester, Gloss White, 50 micron/TT0 Adhesive: 3M™ 350E, 46 micron Liner: 100 micron Clear Polyester, Anti-static	RoHS

Please Note: careful evaluation of resin and top-coat compatibility should be carried out prior to final product selection.



3M™ Radiant Light Film Materials for Decorative Labels and Applications

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

3M™ Radiant Light Film CM500

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 29µ Multi-layer Polymeric Film Adhesive: N/A Liner: N/A	RoHS
76924	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. Top-coated.	Face material: 29µ Multi-layer Polymeric Film / TT2 Adhesive: N/A Liner: N/A	RoHS
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.	Face material: 29µ Multi-layer Polymeric Film / TT2 Adhesive: 3M™ 350E / 27gsm Liner: 36µ Clear Polyester	RoHS

3M™ Radiant Light Film CM592

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
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.	Face material: 33µ Multi-layer Polymeric Film Adhesive: N/A Liner: N/A	RoHS
76921	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.	Face material: 33µ Multi-layer Polymeric Film / TT2 Adhesive: N/A Liner: N/A	RoHS
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.	Face material: 33µ Multi-layer Polymeric Film / TT2 Adhesive: 3M™ 350E / 27gsm Liner: 36µ Clear Polyester	RoHS
76929SR	Premium grade reflective colour film label material, laminated with a 36 micron super-clear hard-coated polyester film, designed for decorative window applications and POS/shop-fitting and exhibition applications. Anti-static filmic liner aids application. UV blocker in the adhesive minimises UV effect on the adhesive.	Face material: 36µ Gloss clear hard-coated Polyester Adhesive: 3M™ 310E Radiant Film: 33µ Multi-layer polymeric Film Adhesive: 3M™ 310E with UV blocker additive Liner: 100 micron clear polyester, anti-static	RoHS

Additional product constructions utilising 3M Radiant Light Films are available – contact us for details.



3M™ Thick Polyester Label Materials

These are products based on 125 and 175 micron thick white and silver polyesters with a matt or gloss finish laminated with 350E adhesive on a special release 90WG white glassine liner. They are particularly useful for hand applying as long thin labels (e.g. on the back of computers) where flexible labels make application difficult. The products can also be applied over joints in plastic casings where a more flexible label can 'fall into' the joint and therefore affect barcode readability.

Polyester, Gloss White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76621	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive gloss top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 125µ Polyester, Gloss White / TT0 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS
76623	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive gloss top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 175µ Polyester, Gloss White / TT0 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS

Polyester, Matt White

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76622	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive matt top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 125µ Polyester, Matt White / TT5 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS
76624	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive matt top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 175µ Polyester, Matt White / TT5 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS

Polyester, Bright Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76629	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive gloss top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 125µ Polyester, Bright Silver / TT0 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS
76633	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive gloss top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 175µ Polyester, Bright Silver / TT0 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS

Polyester, Matt Silver

Product:	Typical Performance Characteristics:	Product Construction:	Specs:
76630	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive matt top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 125µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS
76646	Thick polyester gives increased durability, strength and temperature resistance compared to standard 50 micron PET and other films. Print receptive matt top coat for thermal transfer and graphics printing. Rigid facestock enables easy hand application of large area labels. High performance acrylic adhesive 350E gives excellent adhesion onto textured and LSE surfaces.	Face material: 175µ Polyester, Matt Silver / TT3 Adhesive: 3M™ 350E/46gsm Liner: 90gsm White Glassine	RoHS

(For an outline of the Thermal Transfer print properties of this range of products please ask for a copy of our technical service bulletin on Thick PET Labels).



3M Advanced Adhesives and Top-coat Technology

Top-coats

Product:	Appearance:	Description:
TT1	Matt	cUL approved. General-purpose thermal transfer printable top-coat (Can also be dot matrix printed with a suitable ribbon or laser toner printed)
TT2	Gloss	cUL approved. General-purpose thermal transfer printable top-coat
TT3	Matt	cUL approved. High durability and chemical resistant thermal transfer printable matt top-coat for automotive (brake fluid resistant) and other demanding applications. Excellent UV resistance.
TT4	Matt	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 flexographic printable matt top-coat. Can be thermal transfer printed at lower heat settings on many printers, thus extending print head life.
LT1	Matt	Not cUL approved with laser toner. General purpose laser toner printable top-coat. Also printable by some thermal transfer printers and also some dot matrix ribbons.
TCA	Matt	As TT1 - cUL approved. General-purpose thermal transfer printable top-coat (Can also be dot matrix printed with a suitable ribbon or laser toner printed)
TCB	Matt	As TT4 - Outdoor UV-resistant thermal transfer printable matt top-coat. Also printable by laser toner printers and some dot matrix ribbons.
TC2	Semi-gloss	A semi-gloss vinyl top-coating, designed for use on tyre tread label materials. For use with water-based flexo film inks.
TC2S	Semi-gloss	A semi-gloss vinyl top-coating, designed for use on tyre tread label materials. For use with water-based flexo film inks.
TC9	Gloss	A clear, high gloss top-coating, designed to provide a printable surface for screen printing inks and flexo inks.
ARTC	Matt	3M's most durable top-coat. Thermal transfer printed image is resistant to most chemicals, including Acetone, when used with the appropriate thermal transfer ribbon.

Selected products show the top-coat as "TT0", "Print-treated" or simply "top-coated" – this indicates either a general-purpose top-coat has been applied, or a print treatment has been applied to the material face to aid both conventional and/or variable data printing.

Adhesives

Product:	Thickness:	Description:	Application Temperature:	Service Temperature:
100	Variable – to customer requirement	High temperature acrylic adhesive. Up to 232°C short-term heat resistance and excellent solvent resistance. High peel strength. Exceptional shear strength. Low outgassing.	> 10°C	-40°C to +232 °C
150	Variable – to customer requirement	High temperature acrylic adhesive. Up to 232°C short-term heat resistance and excellent solvent resistance. High internal strength – ideal for applications to HSE plastics and metals.	> 10°C	-40°C to +232 °C
200	Variable – to customer requirement	High performance acrylic adhesive. Up to 177°C short-term heat resistance and medium solvent resistance. Excellent peel strength on HSE plastics and metals. Good long-term ageing.	> 10°C	-40°C to +177 °C
241E	Variable – to customer requirement	High performance acrylic adhesive. Aqueous acrylic, designed for applications requiring excellent wet adhesion and cold adhesion. BS5609 approved for drum labelling.	> 5°C	-20°C to +70 °C
250E	Variable – to customer requirement	Acrylic adhesive. This adhesive has lower initial peel, but comparable adhesion to both 300 and 300E adhesives. A firmer adhesive than 300 and 300E, resulting in less ooze.	> 10°C	-40°C to +150 °C
300	Variable – to customer requirement	High strength acrylic. Up to 121°C short-term heat resistance. Greater initial adhesion, especially to LSE plastics. Quick flowing for application to textured plastics and powder-coats.	> 10°C	-40°C to +121 °C
300E	Variable – to customer requirement	High strength acrylic. This adhesive is designed for applications requiring greater initial adhesion, especially to LSE surfaces and powder-coats, without loss of shear or temperature resistance.	> 10°C	-40°C to +150 °C
310E	Variable – to customer requirement	High precision acrylic. Excellent UV resistance. This adhesive provides firmness and high precision strength on a variety of surfaces, including HSE plastics, glass and metals.	> 10°C	-40°C to +150 °C
320	Variable – to customer requirement	High tenacity acrylic. This adhesive is designed for applications requiring high bond strength on a variety of surfaces, including HSE and LSE plastics. Excellent flagging resistance on small diameters.	> 10°C	-40°C to +121 °C

This technical information and data should be considered representative or typical only and should not be used for specification purposes. Material calipers are nominal values. The information is intended as a guideline only. Users should carefully evaluate products for their application. The products above refer to a selection of 3M Performance Label Materials. Contact us for details of our full range.

Adhesives

Product:	Thickness:	Description:	Application Temperature:	Service Temperature:
350E	Variable – to customer requirement	High holding acrylic. This is a modified acrylic adhesive, designed for very high bond strength to most surfaces. Excellent holding strength, even at high temperatures.	> 10°C	-40°C to +150 °C
400	Variable – to customer requirement	Low temperature acrylic. Good low temperature performance and peel strength on many surfaces. Clarity and UV resistance for window label applications.	> -12°C	-51°C to +121 °C
450E	Variable – to customer requirement	Low cost acrylic. This adhesive is designed as a medium-performance adhesive for application to a variety of indoor substrates. Resistant to moisture and occasional exposure to water.	> 5°C	-20°C to +70 °C
550	Variable – to customer requirement	Permanent / removable bond acrylic. Because the adhesive level neither builds or degrades over time, it will remove cleanly from most HSE substrates. Excellent for electronics applications.	> 10°C	-40°C to +120 °C
1000	Variable – to customer requirement	Repositionable acrylic. Good holding to many surfaces. Clean removal or numerous re-applications. Stain resistance on many surfaces.	> -15°C	-30°C to +121 °C
FP400	Variable – to customer requirement	Low cost acrylic. This adhesive is designed as a medium-performance adhesive for application to a variety of indoor substrates. Resistant to moisture and occasional exposure to water.	> 5°C	-20°C to +70 °C
G1120	Variable – to customer requirement	Rubber based adhesive. Extremely aggressive. Designed for use in tyre tread labelling applications. Also suitable for short-term rough surface applications.	> 5°C	-30°C to +60 °C
HP100	Variable – to customer requirement	Acrylic adhesive. This adhesive is a general purpose, UV stable adhesive. UL and cUL approved. For use on metal, painted or HSE surfaces.	> 10°C	-40°C to +150 °C
HP250	Variable – to customer requirement	Acrylic adhesive. UV stable. Comparable adhesion to 3M 300 and 3M 300E adhesives. Initial tack is low, but the adhesion strength builds, making it suitable for many plastic surfaces.	> 10°C	-40°C to +150 °C
P1212	Variable – to customer requirement	General purpose acrylic. Excellent clarity. Good initial tack. Good UV resistance. UL recognised for indoor applications.	> 5°C	-30°C to +150 °C
P1400	Variable – to customer requirement	High performance tackified acrylic adhesive. Excellent UV and moisture resistance. Formulated for use in demanding environments. Excellent adhesion to a wide range of substrates.	> 5°C	-30°C to +150 °C
R3500	Variable – to customer requirement	Ultra removable adhesive. Good initial tack and long-term adhesion. Multi repositionable, static cling alternative. Clean removability from most surfaces.	> 5°C	-30°C to +70 °C
R3800	Variable – to customer requirement	Ultra removable adhesive. Good initial tack and long-term adhesion. Multi repositionable, static cling alternative. Clean removability from most surfaces. Lower tack than R3500.	> 10°C	-6°C to +70 °C
R185	Variable – to customer requirement	General purpose solvent acrylic removable adhesive with good initial tack and good removability from a wide range of substrates.	> 10°C	-40°C to +150 °C
SE100	Variable – to customer requirement	Acrylic adhesive designed to give superior bond to low surface energy plastics, typically those used in automotive applications. Also suitable for may rough or textured surfaces.	> 15°C	-40°C to +105 °C

Surface Preparation Considerations

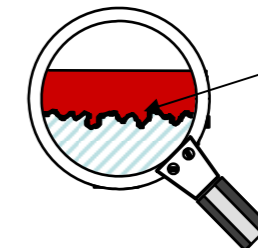
For maximum bond strength of any pressure-sensitive adhesive, the substrate surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.

PLEASE NOTE: When using solvents, read and follow carefully the manufacturer's precautions and directions for use.

For best bonding conditions, the application surface should be at room temperature or higher. Low temperature surfaces, for example those below 5°C can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rub down pressure.



In the first example, the diagram shows poor rub down pressure, resulting in large areas of non-contact between the adhesive and the substrate.



In the second example, the diagram shows good rub down pressure, resulting in total contact between the adhesive and the substrate.

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Surface Energy and Adhesives Compatibility Information

Surface energy is measured in dynes per centimetre. The dyne level is the actual reading of the critical surface tension. The chart below compares the relative surface energy of commonly used substrates and suggests which of the 3M Label Material adhesives should be suitable for each category. The final choice is, of course subject to evaluation and approval for each individual application by the user.

Metals and Glass

Surface Energy:	Substrate:
1103 Dynes/cm:	Copper
840 Dynes/cm:	Aluminium
753 Dynes/cm:	Zinc
526 Dynes/cm:	Tin
458 Dynes/cm:	Lead
700 - 1000 Dynes/cm:	Stainless Steel
250 – 500 Dynes/cm:	Glass

High Surface Energy Plastics

Surface Energy:	Substrate:
50 Dynes/cm:	Kapton®
47 Dynes/cm:	Phenolic
46 Dynes/cm:	Nylon
45 Dynes/cm:	Alkyd Enamel
43 Dynes/cm:	Polyester (PET)
43 Dynes/cm:	Epoxy Paint
43 Dynes/cm:	Polyurethane Paint
42 Dynes/cm:	ABS
42 Dynes/cm:	Polycarbonate
39 Dynes/cm:	PVC
38 Dynes/cm:	Noryl®
38 Dynes/cm:	Acrylic

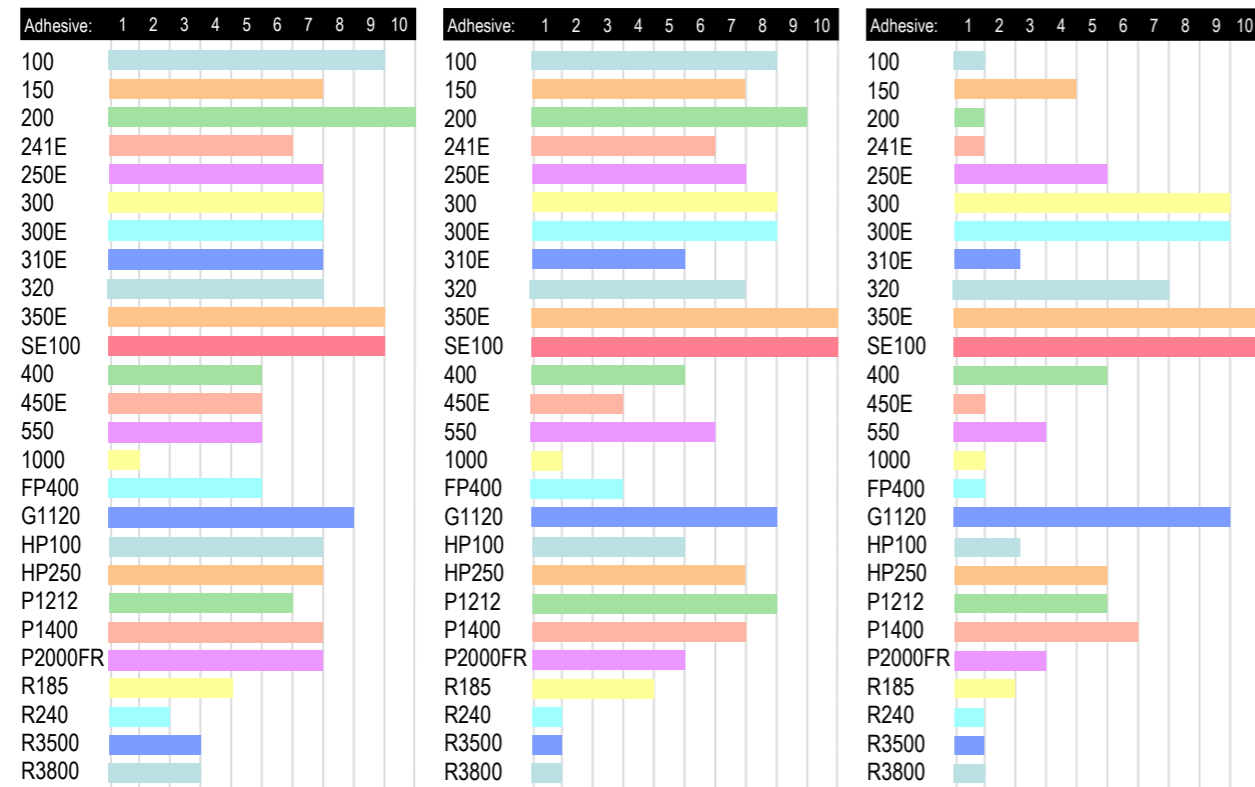
Low Surface Energy Plastics

Surface Energy:	Substrate:
37 Dynes/cm:	PVA
36 Dynes/cm:	Polystyrene (PS)
36 Dynes/cm:	Acetal
33 Dynes/cm:	EVA
31 Dynes/cm:	Polyethylene (PE)
29 Dynes/cm:	Polypropylene
28 Dynes/cm:	Tedlar®
24 Dynes/cm:	Silicone
18 Dynes/cm:	Teflon
** Dynes/cm:	Powder-coats

** Broad range of surface energies

Adhesive Selection Chart Based on Surface Energy

(The charts below are based on relative adhesion within each given surface energy category)



1 = Lowest Performance, 10 = Highest Performance – Above adhesives are used in the manufacture of our core range of Label Materials. Contact us for details of our full range.

Kapton®, Teflon® and Tedlar® are trademarks of Dupont Corp. Noryl® is a trademark of General Electric Co.

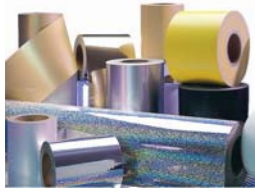
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3M™ Performance Label Materials Product Index (1)

If your product choice is not listed below, please call your 3M sales contact

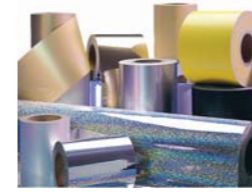
Product	Description	Page
3812	Thermal Transfer Printable Destructible Matt White Polyurethane	10
3921	Thermal Transfer Printable Matt White High Temperature-resistant Acrylic	7
3922	Thermal Transfer Printable Matt White High Temperature-resistant Acrylic	7
3929	Thermal Transfer Printable Retro-reflective Silver	7
5770	Thermal Transfer Printable Matt White Polyester	3
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7000	Pharmaceutical Paper White Gloss	14
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7032	Screen Printable Sheeted Matt Silver Polyester	19
7034	Screen Printable Sheeted Gloss White Polyester	19
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7113	Pharmaceutical Paper White Litho Uncoated Removable	14
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7242	HP Indigo-optimised Gloss White Polypropylene	17
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7250	HP Indigo-optimised Bright Silver Polyester	17
7380	Thermal Transfer Printable Matt White VOID Security Polyester	10
7711	Thermal Transfer Printable Matt White Destructible Acetate	10
7713	Thermal Transfer Printable Matt Clear Destructible Acetate	10
7736	Over-laminating Matt Clear Polyester	13
7741	Over-laminating Gloss Clear Polyester	13
7742	Over-laminating Matt Clear Polyester	13
7746	Over-laminating Gloss Clear Polyester	13
7777	Thermal Transfer Printable Gloss White Polypropylene	6
7779	Thermal Transfer Printable Gloss White Polypropylene	6, 9
7847	Laser Markable Matt Black / White Imaging Acrylic	15
7861	Thermal Transfer Printable Gloss Clear Polyester	4
7863	Thermal Transfer Printable Bright Silver Polyester	5
7866	Thermal Transfer Printable Gloss White VOID Security Polyester	10
76612	Thermal Transfer Printable Gloss White 125 micron Polyester Tag	6
76613	Thermal Transfer Printable Matt White 125 micron Polyester Tag	6
76614	Thermal Transfer Printable Gloss White 175 micron Polyester Tag	6
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76617	Thermal Transfer Printable Matt White Polyester - Rough Surface	8
76619	Thermal Transfer Printable Matt White 175 micron Polyester Tag	6
76638	Laser Toner Printable Matt White Polyester	18
76675	Resin Dome Gloss White Polyester	19
76710	Thermal Transfer Printable Gloss White Polypropylene	6
76712	Thermal Transfer Printable Matt Silver Polyester	5
76759	Thermal Transfer Printable Matt Silver Polyester - Rough Surface	8
76799	Thermal Transfer Printable Bright Silver VOID Security Polyester	11
76805	Thermal Transfer Printable Gloss Yellow VOID Security Polyester	11
76806	Thermal Transfer Printable Matt Yellow VOID Security Polyester	11
76901	Thermal Transfer Printable Matt Purple STOP Permanent Footprint HDPE	11
76921	Decorative Radiant Film Top-coated CM592	20
76922	Decorative Radiant Film Label Material CM500	20
76923	Decorative Radiant Film Label Material CM592	20
76924	Decorative Radiant Film Top-coated CM500	20
76959	Thermal Transfer Printable Matt Silver Polyester - Chemical Resistant	9
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3M™ Performance Label Materials Product Index (2)

If your product choice is not listed below, please call your 3M sales contact

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92150	Thermal Transfer Printable Superior Bond Matt White Polyester	8
92200	Thermal Transfer Printable Superior Bond Gloss White Polyester	8
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3692E	Thermal Transfer Printable Cast Yellow Vinyl	12
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3812DSL	Thermal Transfer Printable Destructible Matt White Polyurethane	10
3922DSL	Thermal Transfer Printable Matt White High Temperature-resistant Acrylic	7
7613T	Thermal Transfer Printable Destructible Matt White Vinyl	10
76550C	Thermal Transfer Printable Matt Clear Polyester	4
76751C	Thermal Transfer Printable Matt Silver Polyester	5
76751S	Thermal Transfer Printable Matt Silver Polyester	5
76903E	Thermal Transfer Printable Matt Purple STOP Removable Footprint HDPE Low Tack	11
76906E	Thermal Transfer Printable Matt Purple STOP Removable Footprint HDPE High Tack	11
76929SR	Decorative Radiant Window Film	20
76968E	Thermal Transfer Printable Matt White Destructible Security High Density Polyethylene	11
7730FL	Over-laminating Gloss Clear Polyester	13
7731FL	Over-laminating Gloss Clear Polyester	13
7732FL	Over-laminating Matt Clear Polyester	13
7735FL	Over-laminating Gloss Clear Acrylic	13
7808E	Thermal Transfer Printable Matt Silver Polyester	5
7810E	Thermal Transfer Printable Matt White Polyester	3
7810EH	Thermal Transfer Printable Matt White Polyester	3,18
7813E	Thermal Transfer Printable Matt Silver Polyester	5
7813EH	Thermal Transfer Printable Matt Silver Polyester	5
7815E	Thermal Transfer Printable Matt White Polyester	3
7815EB	Thermal Transfer Printable Matt White Polyester	3
7815EH	Thermal Transfer Printable Matt White Polyester	3, 18
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7816EC	Thermal Transfer Printable Gloss White Polyester	3
7816EH	Thermal Transfer Printable Gloss White Polyester	3
7818EH	Thermal Transfer Printable Matt Silver Polyester	5
7860E	Thermal Transfer Printable Gloss White Polyester	3
7860EH	Thermal Transfer Printable Gloss White Polyester	3
7861E	Thermal Transfer Printable Gloss Clear Polyester	4
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7871EC	Thermal Transfer Printable Gloss White Polyester	4
7871EJ	Thermal Transfer Printable Gloss White Polyester	4
7872EC	Thermal Transfer Printable Platinum Silver Polyester	5
7872EJ	Thermal Transfer Printable Platinum Silver Polyester	5
7874EC	Thermal Transfer Printable Matt White Polyester	3
7875E	Thermal Transfer Printable Platinum Silver Polyester	5
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7903AFL	Resin Dome Bright Silver Polyester	19
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C22CI	Over-laminating Matt Clear Polyester	13
CM500	Decorative Radiant Film	20
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3M™ Performance Label Materials Product Index (3)

If your product choice is not listed below, please call your 3M sales contact

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G5340	Thermal Transfer Printable 250 micron Rigid PVC Tag	6
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G62SB	Thermal Transfer Printable Matt Silver Polyester	5
G635H	Thermal Transfer Printable Matt White TRIANGLES Security Polyester	10
G645H	Thermal Transfer Printable Matt Silver TRIANGLES Security Polyester	10
GHTR	Thermal Transfer Printable Matt White High Temperature-resistant Acrylic	7
H00C3	Thermal Transfer Printable Matt Silver Polyester	5, 15
H00CB	Thermal Transfer Printable Matt Silver Polyester	5
H00CH	Thermal Transfer Printable Matt Silver Polyester	5
H00YH	Thermal Transfer Printable Matt Silver Polyester	5
H01C3	Laser Toner Printable Matt White Polyester	15
H01CH	Thermal Transfer Printable Matt White Polyester	3
H02C3	Thermal Transfer Printable Matt Clear Polyester	4, 15
H10CH	Thermal Transfer Printable Matt Silver Polyester	5
H11C3	Thermal Transfer Printable Matt White Polyester	3
H11CH	Thermal Transfer Printable Matt White Polyester	3
H11P3	Thermal Transfer Printable Matt White Polyester	3, 16
H12C3	Thermal Transfer Printable Matt Clear Polyester	4
H12CB	Thermal Transfer Printable Matt Clear Polyester	4
I00Y3	Laser Toner Printable Matt Silver Polyester	15
I01Y3	Laser Toner Printable Matt White Polyester	15
I02Y3	Laser Toner Printable Matt Clear Polyester	15
I03Y3	Laser Toner Printable Matt Yellow Polyester	15

Important Note to Purchasers:

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 or their application. This information refers to a selected range of 3M Label Materials. Contact us for details of our Full Range.



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