

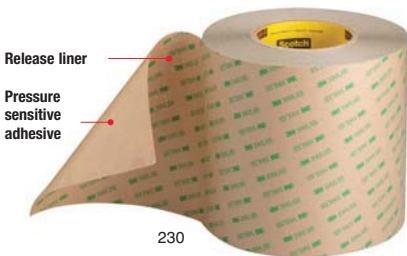
3M™ Adhesive Transfer Tapes

Neat, precise application and high performance in a variety of applications

3M™ Adhesive Transfer Tapes are rolls of pressure sensitive adhesive pre-applied to a special release liner.

For application, the tape is simply pressed, adhesive side down, to a surface and the liner is peeled off.

A variety of adhesive properties and liners are available to meet requirements for applications such as nameplate attachment to high and low surface energy plastics, appliance graphic overlays that perform in high temperatures, foam gasketing, web splicing, and more.



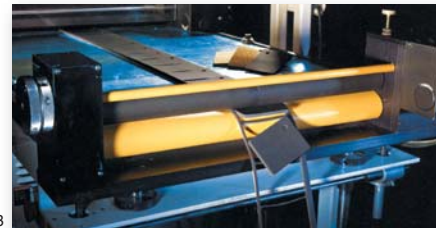
With high cohesive strength, 3M™ Adhesive 200MP bonds aggressively with excellent temperature resistance. Meets the non-fogging specifications of the automotive industry.



For bonding flexible vinyl in such applications as door gaskets, 3M™ Adhesive Transfer Tape F9465PC resists the effect of plasticizers that tend to migrate from the vinyl.



3M™ Laminating Adhesive 300LSE is the solution for low energy surfaces such as polyolefins and powder coat paint. Graphics hold securely and stand up to tough environmental conditions.



3M™ Adhesive Transfer Tapes provide conformability in a variety of foam laminating applications. The acrylic adhesive also provides high shear strength and good environmental aging properties.



3M™ Adhesive Transfer Tape 465 has the grab strength for many printing splices, including flying splices, zero speed and manual overlap. Can be used with a variety of paper grades.



3M™ Adhesive Transfer Tape 467MP is used to laminate metal foil to a circuit board to reduce interference on electronic circuitry.



For graphic beauty, 3M™ Acrylic Adhesive 100 attaches graphics in closed environments. With low odor, reduced outgassing and low fogging, it is used extensively in the automotive, aerospace, and appliance industries.

3M™ Adhesive Transfer Tapes

Adhesive Family ¹	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type ²	Description	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas
					Minutes Hours	Days Weeks		HSE	LSE	
100 High Temp	941	2 (0.05)	58# PCK	<ul style="list-style-type: none"> High temperature, low outgassing 	450°F (232°C)	300°F (149°C)	High	High	Low	Graphic attachment for appliances. Flex circuit attachment. Aerospace fuel line labeling. Meets NASA low volatility specs.
	965	2 (0.05)	55# DK							
	966	2 (0.05)	62# DK							
	9461P	1 (0.025)	55# DK							
	9462P	2 (0.05)								
100MP	9437	2 (0.05)	PET/58# PCK	<ul style="list-style-type: none"> Designed for harsh environments and outdoors High shear strength, high temperature resistance UL listing 746C 	450°F (232°C)	300°F (149°C)	High	High	Low	Automotive and aerospace applications.
	F9460PC	2 (0.05)	58# PCK							
	F9469PC	5 (0.13)			500°F (260°C)	300°F (149°C)	High	High	Low	Industrial joining and metal fabrication.
	F9473PC	10 (0.25)								
100HT	9082	2 (0.05)	White DK	<ul style="list-style-type: none"> Excellent heat resistance in high temperature environments 	530°F (277°C)	350°F (177°C)	High	High	Low	For applications that require both higher processing and operating temperatures such as lead-free solder reflow processes.
	9085	5 (0.13)								
200MP High Perf	467MP	2 (0.05)	58# PCK	<ul style="list-style-type: none"> High performance, high temperature formulation Rotary die-cuttable liner 	400°F (204°C)	300°F (149°C)	High	High	Low	General industrial joining. Industry standard for graphic attachment and die-cut parts.
	468MP	5 (0.13)								
	467MPF	2 (0.05)	PET							
	468MPF	5 (0.13)								
	9172MP	2 (0.06)	HDPE/58# PCK							
	9185MP	5 (0.13)	HDPE/58# PCK							
	9667MP	2 (0.06)	83# PCK							
	9668MP	5 (0.13)	83# PCK							
220 Industrial Acrylic	9502	2 (0.05)	58# PCK	<ul style="list-style-type: none"> Economical acrylic formulation 	350°F (177°C)	250°F (121°C)	Medium	High	Low	Attachment of graphics and industrial joining.
	9505	5 (0.12)								
290 Low Out- gassing	501FL	1 (0.025)	PET	<ul style="list-style-type: none"> Very low outgassing 	450°F (232°C)	300°F (149°C)	High	High	Low	Hard disc drive seals, low odor and outgassing applications.
	502FL	2 (0.05)								
300FR Flame Retardant	9372DKW	2 (0.05)	55# DK	<ul style="list-style-type: none"> Flame retardant transfer tape with rotary die-cuttable liner Flame retardant transfer tape with moisture-stable liner 	180°F (82°C)	150°F (65°C)	Medium	High	High	Automotive, aerospace, and building construction.
	9372W	5 (0.12)	83# PCK							
	9375W									
300 High Strength	927	2 (0.05)	60# DK	<ul style="list-style-type: none"> High tack, excellent adhesion to LSE plastics and foams 	250°F (121°C)	150°F (65°C)	Medium	High	High	High adhesion custom labels. Attach gaskets and a variety of industrial foam materials. Foam lamination to various surfaces.
	950	5 (0.13)	60# DK							
	950EK	5 (0.13)	78# EK							
	992U	2 (0.05)	55# DK							
	9458	1 (0.025)	55# DK							
	9459W	1.5 (0.04)	55# DK	<ul style="list-style-type: none"> White adhesive High opacity 	250°F (121°C)	150°F (65°C)	Low	High	High	Gasket attachment, foam fabric and/or coated papers.
	9471	2 (0.05)	60# DK	<ul style="list-style-type: none"> For smooth LSE plastics 						
	9471PC	2 (0.05)	61# PCK	<ul style="list-style-type: none"> Same as 9471 on moisture-stable liner 						
	9472	5 (0.13)	60# DK	<ul style="list-style-type: none"> 5.0 mil version of 9471 for textured surfaces 						
	9671	2 (0.05)	83# PCK	<ul style="list-style-type: none"> Heavy lined version of 9471 						
9672	5 (0.13)	83# PCK	<ul style="list-style-type: none"> Heavy lined version of 9472 							

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

Relative Adhesion:

HSE – High Surface Energy LSE – Low Surface Energy

¹ More information on pages 80-81. ² More information on page 71.

3M™ Adhesive Transfer Tapes (continued)

Adhesive Family ¹	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type ²	Description	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas				
					Minutes Hours	Days Weeks		HSE	LSE					
300 High Strength (cont.)	9673	2 (0.05)	83# PCK	<ul style="list-style-type: none"> Same as 9671 with unprinted liner Same as 9673 but for textured surfaces 	250°F (121°C)	150°F (65°C)	Low	High	High	Gasket attachment, foam fabric and/or coated papers.				
	9674	5 (0.13)												
300LSE High Strength	8132LE	2 (0.05)	83#/58# PCK	<ul style="list-style-type: none"> High bond to plastics with high temperature holding 	300°F (149°C)	200°F (93°C)	High	High	High	Bond graphics to powder coatings, LSE plastics and oily metal. General industrial bonding of LSE materials.				
	8153LE	3.5 (0.09)												
	9453LE	3.5 (0.09)	58# PCK											
	9471LE	2 (0.05)												
	9472LE	5 (0.13)												
	9453FL	3.5 (0.09)	PET	<ul style="list-style-type: none"> Film lined version of 9453LE for rotary processing 										
	9471FL	2 (0.05)	PET	<ul style="list-style-type: none"> Film lined version of 9471LE for rotary processing 										
	9472FL	5 (0.13)	PET	<ul style="list-style-type: none"> 5.0 mil version of 9471LE with liner for textured surfaces 										
	9653LE	3.5 (0.09)	83# PCK	<ul style="list-style-type: none"> High bond to plastics with high temperature holding 										
	9671LE	2 (0.05)												
9672LE	5 (0.13)													
300MP High Strength	6035PC	5 (0.13)	58# PCK	<ul style="list-style-type: none"> Low fogging for automotive interior applications 	250°F (121°C)	180°F (82°C)	Medium	High	Med.	Bond anti-squeak fabric and foam. For automotive interior.				
	6035PL	5 (0.13)	83# PCK	<ul style="list-style-type: none"> Heavy lined version of 6035PC for easy handling, lay-flat properties 							High	Med.	High	Automotive, low fogging adhesive for fabric carpet.
	6038PC	8 (0.2)	58# PCK	<ul style="list-style-type: none"> Low fogging for automotive interior applications 										
	6038PL	8 (0.20)	83# PCK	<ul style="list-style-type: none"> Low fogging For rough embossed surfaces with heavy liner for steel rule die-cutting 							High	Med.	High	Automotive, low fogging adhesive for fabric carpet.
	9772WL	2 (0.05)	96# PCK	<ul style="list-style-type: none"> Provides excellent bond to various fabricated foams, fabrics and substrates 										
	9773WL	3 (0.075)												
	9774WL	4 (0.10)												
	9775WL	5 (0.13)												
9784	4 (0.1)	HDPE/58# PCK												
350 High Holding	9442	2 (0.05)	55# DK	<ul style="list-style-type: none"> High tack, high shear and high temperature performance 	450°F (232°C)	300°F (149°C)	High	High	High	Laminate high performance plastics and difficult substrates. Splice metal coils.				
	9445	5 (0.13)												
	9482PC	2 (0.05)	62# PCK	<ul style="list-style-type: none"> Excellent adhesion to LSE plastics and foams 										
	9485EK	5 (0.13)	78# EK											
	9485PC	5 (0.13)	62# PCK											
	9675	5 (0.13)	83# PCK	<ul style="list-style-type: none"> Heavy lined version of 9485PC for easy handling, lay-flat properties 							LED lens attachment for cellular phones and pagers.			
400 Acrylic	463	2 (0.05)	60# DK	<ul style="list-style-type: none"> High tack Excellent adhesion to most paper stocks Flexible to -60°F 	250°F (121°C)	180°F (82°C)	Medium	Med.	Low	Paper splicing and general office and commercial joining. Validation labels and parking permits on car windows.				
465	1 (0.025)	55# DK												
9457			2 (0.05)	60# DK	<ul style="list-style-type: none"> Pink tinted adhesive Industrial-grade adhesive transfer tape 	Splicing tape.								
9498	2 (0.05)	58# PCK	<ul style="list-style-type: none"> Thicker liner than 465 for moisture stability in kiss-cutting 											

Relative Adhesion:

HSE – High Surface Energy

LSE – Low Surface Energy

¹ More information on pages 80-81.

² More information on page 71.

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

3M™ Adhesive Transfer Tapes (continued)

Adhesive Family ¹	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type ²	Description	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas
					Minutes Hours	Days Weeks		HSE	LSE	
420	F9752PC	2 (0.05)	58# PCK	<ul style="list-style-type: none"> High tack Can be applied as low as 32°F (0°C) 	300°F (149°C)	250°F (121°C)	High	Med.	Low	Bond gaskets and foams. Bond polycarbonate instrument panels.
	F9755PC	5 (0.13)	58# PCK							
430	9497	2 (0.05)	60# DK	<ul style="list-style-type: none"> Pink • High temperature splicing 	350°F (177°C)	250°F (121°C)	Medium	Med.	Low	High temperature, zero speed splicing.
	9499			<ul style="list-style-type: none"> Clear version of 9497 						
Specialty	F9465PC	5 (0.13)	58# PCK	<ul style="list-style-type: none"> Medium tack Plasticizer resistant 	200°F (93°C)	160°F (71°C)	Medium	Med.	Low	Bonding plasticized vinyl gaskets, decals and moldings.
	8056	5 (0.13)	58# PCK	<ul style="list-style-type: none"> High tack, for hard to bond surfaces 	150°F (65°C)	120°F (49°C)	Low	High	Med.	Splicing photographic papers.
	909	1.5 (0.04)	60# DK	<ul style="list-style-type: none"> Assembly aid tape 	180°F (82°C)	150°F (65°C)	Medium	Med.	Med.	Assembly aid for pick and place.

Relative Adhesion:

HSE – High Surface Energy

LSE – Low Surface Energy

¹ More information on pages 80-81.

² More information below.

Liner Characteristics

Description	Caliper (mils)	Use
43# Densified Kraft paper (DK)	2.5	Inexpensive secondary liner, protects from humidity extremes.
55# Densified Kraft paper (DK)	3.2	Excellent liner for rotary die-cutting; reduces edge roll on metal parts, protects from humidity extremes.
58# Polycoated Kraft paper (PCK)	4.2	Excellent liner for steel rule die-cutting, resists moisture.
60# Densified Kraft paper (DK)	3.5	Hard dense liner reduces edge burr in hard tool processing of metal plates.
62# Densified Kraft paper (DK)	3.7	General purpose liner, rotary or steel rule, protects from humidity extremes.
78# Extensible Polycoated Kraft paper (EK)	6	Extra tough liner for increased tear resistance.
83# Polycoated Kraft paper (PCK)	6.2	Improved handling (lay-flat), steel rule die-cutting, kiss-cutting, resists moisture.
94# PCK	7	Excellent for lay-flat processing.
Polyester film (PET)	2, 3, 4	Rotary die-cuttable, cleanroom, clear for inspection of parts, humidity stable.
Clear, High Density Polyethylene film (HDPE)	3	Clear for inspection of parts, thermo-formable, tear-resistant.
White Polypropylene film (PP)	3.5	Can be thermo-formed.

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

3M™ Release Liners and Printable Films

Product Group	Product	Description/Application Ideas	Construction		Master Size
			Caliper Mils	Liner	
Release Liners <i>Non-silicone</i>	4935	3M proprietary fluoropolymer release coat one side.	3.0	Polyester, Clear	40" x 360 yd
	5932	3M proprietary fluoropolymer release coat one side.	2.0	Polyester, Clear	54" x 360 yd
Release Liners <i>Silicone</i>	4986	High-density polyethylene is transparent for graphic inspection. Release coat one side. For delamination/relamination only.	3.0	HDPE Film, Clear	48" x 360 yd
	4988	Neutral-colored, polycoated lay-flat kraft liner. Release coat one side.	6.2	83# Polycoated Kraft, Neutral color	48" x 360 yd
	4994	Caliper controlled liner for rotary die-cutting. Release coated two sides. Very low release for double lining #300 high-strength adhesive.	3.2	55# Densified Kraft, White	54" x 360 yd
	4996	Clear film is ideal for graphics inspection of backlit panels. Release coat one side.	1.4	Polyester Film, Clear	54" x 360 yd
	4997	Heavy liner ideal for kiss-cutting and lay-flat applications. Release coat one side.	4.0	70# Densified Kraft, Clear	54" x 360 yd
	4998	Release coat two sides (matte).	4.2	58# Polycoated Kraft, Tan	48" x 360 yd
	4999	Caliper controlled liner for rotary die-cutting. Release coat one side.	3.2	55# Densified Kraft, White	54" x 360 yd
	5002	Clear polyester film for rotary cutting. Release coat one side.	2.0	Polyester Film, Clear	60" x 360 yd
	5002D	Clear polyester film for rotary cutting. Release coat two sides.	2.0	Polyester Film, Clear	60" x 360 yd
	5004	Thick, clear polyester film for rotary cutting. Release coat one side.	4.0	Polyester Film, Clear	50" x 360 yd
	5051	Special PCK liner for double lining 300LSE tapes. Release coat one side.	4.2	58# Polycoated Kraft	48" x 180 yd
	7526L	Tan polycoated kraft. Release coat two sides (matte).	4.2	58# Polycoated Kraft	48" x 360 yd
	7527L	Cloudy high-density polyethylene. Release coat one side.	3.0	HDPE Film	48" x 360 yd

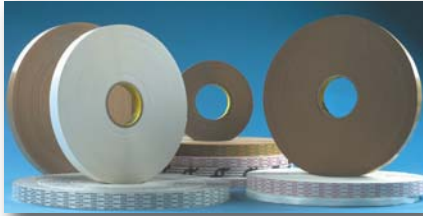
Product Group	Product	Description/Application Ideas	Construction		Master Size	Print Method	Specs
			Caliper Mils	Liner			
Printable Polyester Films - <i>Label Component Films</i>	8038	Top-coated film for use with standard printing inks. Top-coat is wound inside. Clear film allows for subsurface printing. Used for automotive, electronics, and other durable goods applications.	2.0	Polyester, Gloss Clear	48" x 720 yd	Press	
	8039	Non top-coated. Clear film allows for subsurface printing for protection of inks. Typical use in over-the-counter and pharmaceutical applications.	2.0	Polyester, Matte Clear (NTC)	48" x 720 yd	Press	UL
	8049	Matte top-coat for dot-matrix printing. Clear film allows for subsurface printing of inks.	2.5	Polyester, Matte Clear	54" x 720 yd	Dot Matrix	UL
	8050	Matte top-coat for dot-matrix printing. Excellent abrasion and chemical resistance.	2.5	Polyester, Matte White	54" x 720 yd	Dot Matrix	UL
	8053	Same as 8050, except matte silver.	2.5	Polyester, Matte Silver	54" x 720 yd	Dot Matrix	UL
	8057	Provides excellent durability. Used for automotive, electronic, and other durable goods applications.	2.0	Polyester, Gloss White	54" x 720 yd	Thermal Transfer	
	8058NT	Same as 8057, except bright silver. Top-coat is wound inside.	2.0	Polyester, Bright Silver	54" x 720 yd	Thermal Transfer	

NOTE: This technical information and data should be considered representative or typical only and should not be used for specification purposes.

3M™ Extended Liner Tapes

Versatile pressure sensitive adhesive on easy-to-remove liners

3M™ Extended Liner Tapes offer the adhesive versatility of 3M tapes but with liners wider than the adhesive. This leaves an easy-to-lift edge for convenient and easy liner removal. With the variety of adhesives, you have a selection of performance characteristics such as high tack for coated papers and plastics, low tack for temporary attachment, high temperature resistance, and more. Apply manually or with equipment matched to your production volume requirements.



238



239 3M™ Extended Liner Tapes are available with a release liner wider than the adhesive. This provides an easy-to-grab edge for convenient liner removal.



240 Depending on adhesive type, 3M™ Extended Liner Tapes are applied to envelopes, polybags, boxes, or tubes. User simply peels off liner to expose the adhesive for an immediate, secure closure.



241 A variety of automatic and semi-automatic equipment is available for higher volume applications. For example, apply tape to business forms, literature, bounce back and business reply cards.



242 3M™ Extended Liner Tapes 450XL, 450EK and 465XL immediately bond product information “outserts” to polyethylene bottles. Holds tightly but can be cleanly removed.

3M™ Extended Liner Tapes

Adhesive Type ¹	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type ²	Description	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas
					Minutes Hours	Days Weeks		HSE	LSE	
340	466XL	2 (0.05)	62# DK white with black print	<ul style="list-style-type: none"> High tack Permanent 	180°F (82°C)	150°F (65°C)	Medium	High	High	Coated papers and low surface energy (LSE) plastics. Overnight envelopes. Features an end-of-roll indicator tab for automated dispensing.
400	450EK	1 (0.025)	78# Extensible Kraft white without print	<ul style="list-style-type: none"> General purpose 	250°F (121°C)	180°F (82°C)	Medium	Med.	Low	Pharmaceutical outsert attachment. For applications requiring a more tear resistant liner.
	450XL	1 (0.025)	60# DK tan with green print							Pharmaceutical outsert attachment. General paper attachment.
	920XL	1 (0.025)	40# DK white with red print							Seal flaps on poly-bags and envelopes. Pressure sensitive edging on business forms, literature, photos, posters, and labels.
	9926XL	1 (0.025)	40# DK white with red print							Economical alternative for general paper-to-paper applications.
	465XL	2 (0.05)	60# DK tan with green print							Seal flaps on overnight envelopes. Pressure sensitive edging on business forms. General commercial joining applications. For attaching materials that require more adhesive thickness. Larger outsert attachments.
600	9934XL	4 (0.10)	60# DK tan without print	<ul style="list-style-type: none"> High tack to LSE materials 	150°F (65°C)	120°F (49°C)	Medium	High	High	P.O.P. displays. Difficult splicing applications, shelf talkers, price tags, polyethylene foam bonding, indirect food-contact applications. ³ High tack to LSE materials.
760	476XL	6 (0.16)	62# DK white with red print	<ul style="list-style-type: none"> High tack, double coated film 	150°F (65°C)	120°F (49°C)	Medium	High	High	Heavy-duty sealing. Mounting of promotional items. Core starting. Closure of overnight boxes, tubes and envelopes. Indirect food-contact applications. ³
770	9925XL ⁴	2.5 (0.065)	43# DK white with black print	<ul style="list-style-type: none"> Tissue reinforced High initial adhesion to a wide variety of materials 	150°F (65°C)	100°F (41°C)	Low	Med.	Med.	General mounting. P.O.P. items. Attaching tags and labels. Core starting. Permanent bonding paper-to-paper, business forms, traffic tickets, novelty items and literature. Indirect food-contact applications. ³

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

¹ More information on pages 80-81.

² More information on page 71.

³ FDA acceptable dry ingredients listed as indirect food-contact additives when used in food packing with minimal opportunity for exposure.

⁴ Non-liner side is adhesive coated full width.

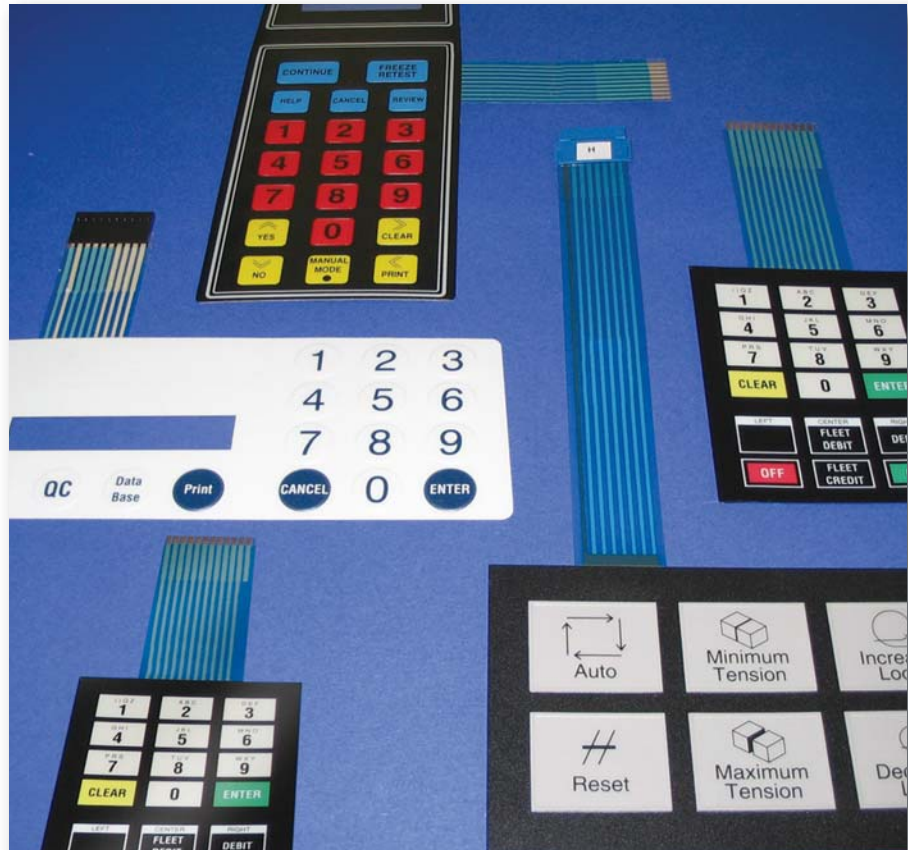
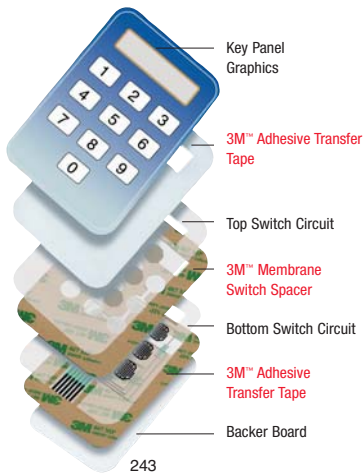
Relative Adhesion:
HSE – High Surface Energy,
LSE – Low Surface Energy

3M™ Membrane Switch Adhesives

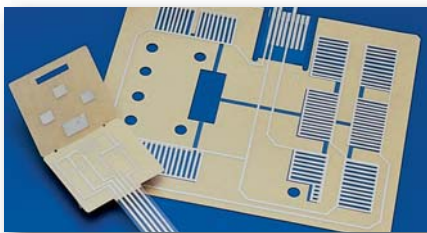
Long life formulations for top to bottom reliability

3M offers a full range of adhesives with application-specific configurations for die-cut laminations, circuit layer assembly, switch spacers, metal dome placement, lead protection, and switch mounting.

With exceptionally high cohesive strength, 3M adhesives resist slippage, oozing, lifting, channeling, and buckling for long-term resistance to the stresses of switch activation. Adhesives also reliably resist high humidity, chemicals, and other challenging conditions.



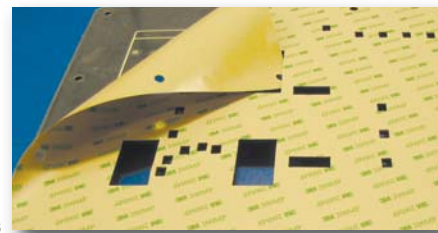
3M™ Membrane Switch Adhesives have been proven for over 20 years to resist high humidity and moisture, extreme temperature ranges, UV light, chemicals, household cleaners, and detergents.



3M single coated spacer materials perform reliably for lead protection and dome retainer layers in applications ranging from medical test systems to fish finders.



3M™ Membrane Switch Products withstand heavy repetitive activations on keyboards.



With die-cut 3M™ Double-Lined Adhesive Transfer Tapes, adhesive transfers easily and precisely from the liner to the graphic or circuit.



3M™ Adhesive Transfer Tapes ensure strong attachment of switches to rough or textured surfaces, and low or high energy surfaces.



Durable 3M™ Membrane Switch Products perform reliably even with repeated heat cycle stresses in ovens and dishwashers.



With resistance to high temperatures and humidity, 3M single coated spacer materials effectively maintain registration of metal and polyester domes.

3M™ Membrane Switch Adhesives

	Product Number	Adhesive Family ¹	Tape or Spacer Thickness	Liner Type ²	Layer thickness (mils) Adhesive/Carrier/Adhesive	Description
Double-lined Adhesive Transfer Tapes	7951	300MP	2 mils	58# PCK/58# PCK	2/0/0	Double-lined 300MP. High bond to low surface energy plastics.
	7952MP	200MP	2 mils	58# PCK/58# PCK	2/0/0	Double-lined 467MP.
	7955MP		5 mils	58# PCK/58# PCK	5/0/0	Double-lined 468MP.
	7962MP		2 mils	83# PCK/58# PCK	2/0/0	Double-lined 467MP with heavy lay-flat liner for added stiffness and ease of handling.
	7965MP		5 mils	83# PCK/58# PCK	5/0/0	Double-lined 468MP with heavy lay-flat liner for added stiffness, controlled kiss-cutting and ease of handling.
Double Coated Spacers	7945MP	200MP	5 mils	58# PCK/58# PCK	2/1/2	Meets requirements of most keyboards and flex circuit laminations.
	7953MP		3.5 mils	58# PCK/58# PCK	1.5/0.5/1.5	Same as 7945MP but with printed primary liner.
	7953HL		3.5 mils	83# PCK	1.5/0.5/1.5	Same as 7953MS except with heavy liner.
	7956MP		6 mils	58# PCK/58# PCK	2/2/2	Meet requirements of most keyboards and flex circuit laminations.
	7956MWS		6 mils	58# PCK	2/2/2	Metallized vapor coat and white color to eliminate floodcoats.
	7956WDL		6 mils	58# PCK/58# PCK	2/2/2	Sheet form of 7956MWS.
	7957MP		7 mils	58# PCK/58# PCK	2/3/2	Meet requirements of most keyboards and flex circuit laminations.
	7959MP		9 mils	58# PCK/58# PCK	2/5/2	
	7961MP		11 mils	58# PCK/58# PCK	2/7/2	
	7966MWS		9 mils	58# PCK	2/2/5	Thicker version of 7956MWS.
	7966WDL		9 mils	58# PCK/58# PCK	2/2/5	Sheet form of 7966MWS.
	9045MP		5 mils	94# PCK/94# PCK	2/1/2	The 9000 series of products has a lay-flat liner on each side which improves die-cutting and handling of intricate die-cut parts.
	9056MP		6 mils	94# PCK/94# PCK	2/2/2	
	9057MP		7 mils	94# PCK/94# PCK	2/3/2	
	9059MP		9 mils	94# PCK/94# PCK	2/5/2	
9061MP	11 mils	94# PCK/94# PCK	2/7/2			
Single Coated Spacers	7991MPW	200MP	2 mils	94# PCK	1/1/0	Adhesive on one side; white polyester carrier for light management.
	7992MP		4 mils	94# PCK	2/2/0	Adhesive on one side of clear polyester carrier.
	7992MPW		4 mils	94# PCK	2/2/0	Thick version of 7991MPW.
	7993MP		3 mils	94# PCK	2/1/0	Single side spacers aid in the construction of membranes with circuitry, i.e. to protect leads, hold domes in place, or build custom spacers.
	7995MP		5 mils	94# PCK	2/3/0	
	7997MP		7 mils	94# PCK	2/5/0	Single side spacers aid in the construction of membranes with circuitry, i.e. to protect leads, hold domes in place, or build custom spacers.

¹ More information on pages 80-81.

² More information on page 71.

Note: Technical information and data should be considered representative or typical only and should not be used for specification purposes.

Scotch® ATG Adhesive Systems

Finger touch application of pressure sensitive adhesive

Versatility, convenience and speed. That's what you get with the Scotch® ATG Adhesive System for assembly operations in businesses ranging from appliance and printing to P.O.P. and electronics. Readily bond, join, mount, or laminate materials such as paper, plastics, metal, foam and more.

With Scotch® ATG Adhesive Applicators, a touch of the finger triggers a quick, controlled application of Scotch® ATG Tape at the same time as the liner rewinds into the applicator. There is no mess and no cleanup. 3M advanced acrylic adhesive bonds on contact and is formulated with a choice of properties such as high temperature resistance, differential tack, adhesion to low surface energy plastic, and more.



Save time and effort with the Scotch® ATG Adhesive System. You apply a precise strip of adhesive at the same time as the liner rewinds into the applicator.



Scotch® ATG 700 Applicator with Scotch® ATG Tape 924 makes fast work of folder assembly. Pressure sensitive adhesive bonds immediately and the folder pocket is ready to hold contents.



High performance Scotch® ATG Tape 926 bonds foam cushioning inside a portable power tool carrying case.



- 1 Scotch® ATG Applicator 700 for 3/4", 1/2", and 1/4" wide tape (1/4" adapter purchased separately).
- 2 Scotch® ATG Applicator 714 for 1/4" wide tape.
- 3 Scotch® ATG Applicator 752 for 3/4", 1/2", and 1/4" wide tape (1/4" adapter purchased separately).
- 4 Scotch® ATG Applicator 3662 for 2" wide tape.

Scotch® ATG Adhesive Systems

Adhesive Type ¹	Product Number	Tape Thickness w/o liner Mils (mm)	Description	Temperature Resistance		Resistance	Solvent Adhesion		Application Ideas	Adhesive Transfer Tape Equivalent	
				Minutes Hours	Days Weeks		HSE	LSE			
300 High Tack	976	2 (0.05)	<ul style="list-style-type: none"> High tack Excellent adhesion to most plastics 	250°F (121°C)	150°F (65°C)	Med.	High	High	Attach fabric swatches in sample books.	927	
	969	5 (0.13)								Assemble point-of-purchase displays. Bond trim strips to furniture or luggage. Bond labels to plastic toys. Attach gaskets or foams.	950
350 High Performance	926	5 (0.13)	<ul style="list-style-type: none"> High performance Excellent temperature and solvent resistance 	450°F (232°C)	300°F (149°C)	High	High	High	Bond fabric or trim to window blinds. Splice aluminum coils. Bond foam insulation. Mount nameplates on award plaques.	F9485PC	
400 General Purpose	970XL	1 (0.025)	<ul style="list-style-type: none"> General purpose Excellent adhesion to most paper stocks 	250°F (121°C)	180°F (82°C)	Med.	Med.	Low	Attach photos to layouts. Attach labels.	920XL	
	924	2 (0.05)								Seal pocket in folders. Bond mat board in picture frames. Splice paper, films, foils. General purpose bindery attaching.	465
	987*	1.7 (0.040)								9498	
400/1000 Repositional	928	2 (0.05)	<ul style="list-style-type: none"> Differential tack Repositionable 	180°F (82°C)	150°F (65°C)	Med.	High/Low	Low/Low	Attach credit card in mailer. Core start/end tab paper, films and foils. Attach temporary labels.	9416	

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

Relative Adhesion: HSE – High Surface Energy, LSE – Low Surface Energy ¹ More information on pages 80-81.

Tape Selection Guide

This matrix gives you a few of our most commonly used tapes for various surface combinations. Products shown represent only a small part of the total line.

		Surface A													
		Steel Aluminum Glass Ceramics		ABS, Acrylic, Enamel & Epoxy Paints, Kapton® Industrial Film, Noryl Resin, Nylon, Lexan® Polycarbonate, Polyester, Rigid Vinyl		Polystyrene Polypropylene Polyethylene Powder Paints		Plasticized Vinyl		Paper		Cloth		Rubber	
Surface B		Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick
Rubber	Transfer	950/969* 9472LE		950/969* 9472LE		950/969* 9472LE		950/969*		950/969*		950/969*		950/969* 9472LE	
	Double coated	444 9495LE		444 9495LE		444 9495LE				444		444		444	
Cloth	Transfer	950/969 9485/926		950/969 9485/926		950/969 9485/926		950/969		465/924 950/969 9485/926		465/924 950/969 9485/926			
	Double coated	444 9690		444 9690		444 9690		9443NP		444 9690		444 9690			
Paper	Transfer	465/924 950/969		465/924 950/969		950/969		950/969 9465PC		465/924 950/969					
	Double coated	410M 415		410M 415		444				410M 415					
Plasticized Vinyl	Transfer	950/969 9465PC		950/969 9465PC		950/969		950/969 9465PC							
	Double coated		4941		4941				4941						
Polystyrene Polypropylene Polyethylene Powder Paints	Transfer	950/969 9485PC/ 926 9472LE	4462	950/969 9485PC/ 926 9472LE	4462	950/969 9472LE	4462								
	Double coated	444 9589 9495LE	4952 5952 (powder paint)	444 9495LE	4952 5952 (powder paint)	444 9443NP 9495LE	4952 5952 (powder paint)								
ABS, Acrylic, Enamel & Epoxy Paints, Kapton® Industrial Film, Noryl® Resin, Nylon, Lexan® Polycarbonate, Polyester, Rigid Vinyl	Transfer	950/969 F9469PC 9485PC/926 468MP	4046/4016 4462 4492	950/969 F9469PC 9485PC/926 468MP	4046/4016 4462 4492										
	Double coated	444 9500PC 9495MP	4941 5952	444 9500PC 9495MP	4941 5952										
Steel Aluminum Glass Ceramics	Transfer	468MP 9085 9469 9485PC/ 926	4046/4016 4462 4492												
	Double coated	9495MP 9500PC	4941 4950												

Easy access to the knowledge

For direct access to product data, downloadable product data pages, or to request sample product for evaluation:

www.3M.com/industrial

*For temporary holding only.

NOTE: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.