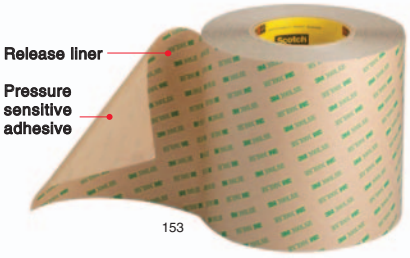
Neat, precise application and high performance in a variety of applications

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 are available including high tack, high temperature resistance, exceptional moisture or solvent resistance, and adhesion to low surface energy plastic. High performance laminating adhesives are also available. Each is specially engineered to provide a full range of performance characteristics meeting virtually any application need from adhering nameplates to high and low surface energy plastics, to keeping appliance faceplates intact at extremely high operating temperatures.



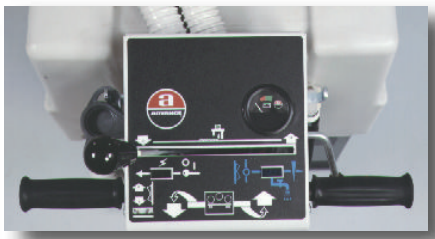
153

154

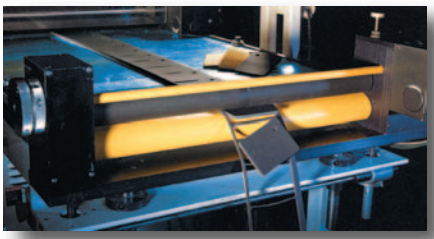
With high cohesive strength, 3M™ Adhesive 200MP bonds aggressively with excellent temperature resistance. Meets the non-fogging specifications of the automotive industry.


155

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.


156

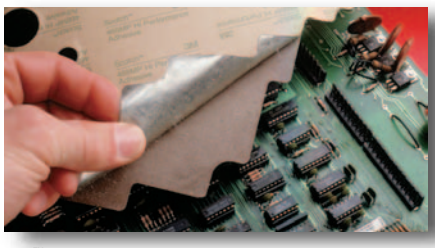
3M™ Laminating Adhesive 300LSE is the solution for low energy surfaces such as polyolefins and powder coat paint. Graphics hold securely and stand up to tough environmental conditions.


157

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.


158

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.


159

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


160

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.

Product Information: 3M™ Adhesive Transfer Tapes

Adhesive Family	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type	Description	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas
					Minutes Hours	Days Weeks		HSE	LSE	
100 High Temp	9461P	1.0 (0.025)	55# DK	• High temperature, low outgassing	450˚F (232˚C)	300˚F (149˚C)	High	High	Low	Meets NASA Outgassing Specification. Flex Circuit attachment. Aerospace fuel line labeling.
	965	2.0 (0.05)	55# DK							
	966	2.0 (0.05)	62# DK							
100MP	F9460PC	2.0 (0.05)	58# PCK	• High shear strength, high temperature resistance • UL listing 746C	500˚F (260˚C)	300˚F (149˚C)	High	High	Low	Industrial joining and metal fabrication.
	F9469PC	5.0 (0.13)								
	F9473PC	10.0 (0.25)								
100HT	9082	2.0 (0.05)	White DK	• Excellent heat resistance in high temp environments • Thicker version of 9082	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 (0.13)								
200MP High Perf	467MP	2.0 (0.05)	58# PCK	• High performance, high temperature formulation	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 (0.13)								
	467MPF	2.0 (0.05)	PET	• Rotary die-cuttable liner						
	468MPF	5.0 (0.13)								
	467MPR	2.3 (0.06)	Glassine	• Rotary die-cuttable liner available in 700 yd. length • Better lay-flat properties						Graphic attachment and general industrial joining.
	9668MPL	5.0 (0.13)	94# PCK							
220 Industrial Acrylic	9502	2.0 (0.05)	58# PCK	• Economical acrylic formulation	350˚F (177˚C)	250˚F (121˚C)	Medium	High	Low	Economical attachment of graphics and industrial joining.
	9505	5.0 (0.12)								
290 Low Out-gassing	501FL	1.0 (0.025)	PET	• 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 (0.05)								
300FR Flame Retardant	9372DK	2.0 (0.05)	55# DK	• Flame retardant transfer tape with rotary die-cuttable liner	180°F (82°C)	150°F (65°C)	Medium	High	High	Automotive, aerospace, and building construction.
	9373	3.0 (0.08)	83# PCK	• Flame retardant transfer tape with moisture-stable liner						
	9375	5.0 (0.13)	83# PCK	• Thicker version of 9373						
300 High Strength	9458	1.0 (0.025)	55# DK	• 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.
	927	2.0 (0.05)	60# DK							
	950	5.0 (0.13)	60# DK							
	9459S	1.5 (0.04)	55# DK	• Silver 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 (0.05)	60# DK	• For smooth LSE plastics						
	9471PC	2.0 (0.05)	61# PCK	• Same as 9471 on moisture-stable liner						
	9472	5.0 (0.13)	60# DK	• 5.0 mil version of 9471 for textured surfaces						
	9671	2.0 (0.05)	83# PCK	• Heavy lined version of 9471.						
	9673	2.0 (0.05)	83# PCK	• Same as 9671 with unprinted liner						
	9674	5.0 (0.13)	83# PCK	• Same as 9673 but for textured surfaces						
300LSE High Strength	9453LE	3.5 (0.09)	58# PCK	• 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.
	9471LE	2.0 (0.05)								
	9472LE	5.0 (0.13)								
	9453FL	3.5 (0.09)	PET	• Film lined version of 9453LE for rotary processing						
	9471FL	2.0 (0.05)	PET	• Film lined version of 9471LE for rotary processing						
	9472FL	5.0 (0.13)	PET	• A 5.0 mil version of 9471LE with liner for textured surfaces						

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

Product Information: 3M™ Adhesive Transfer Tapes (continued)

Adhesive Family	Product Number	Tape Thickness w/o liner Mils (mm)	Liner Type	Description	Temperature Resistance Minutes Hours	Temperature Resistance Days Weeks	Solvent Resistance	Relative Adhesion HSE	Relative Adhesion LSE	Application Ideas
300MP High Strength	9770	2.0 (0.05)	58# PCK	• Good bond with moderate temperature range	250˚F (121˚C)	180˚F (82˚C)	Medium	High	Med.	General industrial foam bonding.
	9774	4.0 (0.1)								
	6032PC	2.0 (0.05)		• Low fogging for automotive interior applications						Bond anti-squeak fabric and foam. For automotive interior.
	6035PC	5.0 (0.13)								
	6038PC	8.0 (0.2)								
	964	13.0 (0.3)								
	6032PL	2.3 (0.06)	83# PCK	• Same as 6035PC with a heavier liner for steel rule die-cutting	250°F (121°C)	150°F (66°C)	High	Med.	High	Automotive, low fogging adhesive for fabric carpet.
	6035PL	5.2 (0.13)		• Heavy lined version of 6035PC for easy handling, lay-flat properties						
	6038PL	7.7 (0.20)		• Low fogging • For rough embossed surfaces with heavy liner for steel rule die-cutting						
	9774HL	4.0 (0.10)		• Heavy lined version of 9774 for easy handling, lay-flat properties						Foam lamination.
320	9447	1.0 (0.025)	55# DK	• High tack, cleaner rotary cutting than 300 adhesive	250˚F (121˚C)	150˚F (65˚C)	Medium	High	High	Economical protected graphics label.
350 High Holding	9482PC	2.0 (0.05)	58# PCK	• High tack, high shear and high temperature performance • Excellent adhesion to LSE plastics and foams	450˚F (232˚C)	300˚F (149˚C)	High	High	High	Laminate high performance plastics and difficult substrates. Splice metal coils.
	9485PC	5.0 (0.13)								
	9675	5.0 (0.13)	83# PCK	• Heavy lined version of 9485PC for easy handling, lay-flat properties	250°F (121°C)	350°F (177°C)				LED lens attachment for cellular phones and pagers.
400 Acrylic	465	2.0 (0.05)	60# DK	• 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.
	9457	1.0 (0.025)	55# DK							
	9464	2.0 (0.05)	60# DK	• Pink tinted adhesive	180°F (82°C)	180°F (82°C)				Splicing tape.
	9498			• Industrial-grade adhesive transfer tape						
420	F9752PC	2.0 (0.05)	58# PCK	• High tack	450˚F (232˚C)	300˚F (149˚C)	High	Med.	Low	Bond gaskets and foams. Bond polycarbonate instrument panels.
	F9755PC	5.0 (0.13)	58# PCK	• Can be applied as low as 32˚F (0˚C)						
430	9497	2.0 (0.05)	60# DK	• Pink • High temperature splicing	350˚F (177˚C)	250˚F (121˚C)	Medium	Med.	Low	High temperature, zero speed splicing.
	9499			• Clear version of 9497						
Specialty	F9465PC	5.0 (0.13)	58# PCK	• 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 (0.13)	58# PCK	• High tack, for hard to bond surfaces	150˚F (65˚C)	120˚F (49˚C)	Low	High	Med.	Splicing photographic papers.
	909	1.4 (0.04)	60# DK	• Assembly aid tape	180˚F (82˚C)	150˚F (65˚C)	Medium	Med.	Med.	Assembly aid for pick and place.

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