

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 966	1.0 (0.025)	55# DK 62# DK	High temperature, low outgassing.	450°F (232°C)	300°F (149°C)	High	High	Low	Aerospace fuel line labeling. Meets NASA Outgassing Specification. Flex Circuit attachment.
		2.0 (0.05)								
100 VHB	9460PC 9469PC 9473PC	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.
		5.0 (0.13)								
		10.0 (0.25)								
200 High Perf	467 468	2.0 (0.05)	62# DK	High bond and medium temperature holding.	350°F (177°C)	250°F (121°C)	Medium	High	Low	Metal nameplates and electronics. Metal nameplates on rough or textured surfaces.
		5.0 (0.13)								
200 MP High Perf	467MP 468MP	2.0 (0.05)	58# PCK	High performance high temperature formulation.	400°F (232°C)	300°F (149°C)	High	High	Low	General industrial joining. Industry standard for graphic attachment and die-cut parts.
		5.0 (0.13)								
220 Stamark	9502 9505	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.
		5.0 (0.13)								
290 Ultra Clean	501FL 502FL 504FL	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.
		2.0 (0.05)								
		4.0 (0.1)								
300 High Strength	9458 927 9453 950	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	Automotive underhood label bonding. Attach gaskets and a variety of industrial foam materials. Foam lamination to various surfaces.
		2.0 (0.05)	60# DK							
		3.5 (0.09)	60# DK							
		5.0 (0.13)	60# DK							
300LSE High Strength	9471LE 9453LE 9472LE	2.0 (0.05)	58# PCK	High bond to plastics with high temperature holding.	300°F (149°C)	200°F (93°C)	High	High	High	Bonds graphics to powder coatings, LSE plastics and oily metal. General industrial bonding of LSE materials.
		3.5 (0.09)								
		5.0 (0.13)								
300MP High Strength	9770 9774 6032PC 6035PC 6038PC 964	2.0 (0.05)	58# PCK	Good bond with moderate temperature range. Low fogging for automotive interior applications.	250°F (121°C)	158°F (70°C)	Medium	High	Med.	Economical attachment of graphics and industrial joining. Bond anti-squeak fabric and foam. For automotive interior.
		4.0 (0.1)	58# PCK							
		2.0 (0.05)	58# PCK							
		5.0 (0.13)	58# PCK							
		8.0 (0.2)	58# PCK							
		13.0 (0.3)	86# PCK							
320	9447	1.0 (0.025)	55# DK	High tack, cleaner rotary cutting than 300.	250°F (121°C)	150°F (65°C)	Medium	High	High	Economical protected graphics label.
350 High Holding	9482PC 9485PC	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.
		5.0 (0.13)								
400 High Tack	9457 465	1.0 (0.025)	55# DK	High tack. Excellent adhesion to most paper stocks. Flexible to -60°F.	250°F (121°C)	180°F (82°C)	Medium	Med.	Low	Validation labels & parking permits on car windows. Paper splicing and general office and commercial joining.
		2.0 (0.05)	60# DK							
420	F-9752PC F-9755PC	2.0 (0.05)	58# PCK	High tack. Can be applied as low as 32°F (0°C).	450°F (232°C)	300°F (149°C)	High	Med.	Low	Bond gaskets and foams. Bond polycarbonate instrument panels.
		5.0 (0.13)	58# PCK							
430	9497 9499	2.0 (0.05)	60# DK	Pink. High Temperature splicing. Clear version of 9497.	350°F (177°C)	250°F (121°C)	Medium	Med.	Low	High temperature, zero speed splicing.
		2.0 (0.05)	60# DK							
Specialty	F-9465PC 8056 909	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.
		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.
		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
(See p. 28)