

Product Information, 3M™ VHB™ and VHB™ + Tapes

Product Number	Tape Thickness w/o liner Mils (mm)	Description	Adhesive Type	Temperature Resistance		Solvent Resistance	Relative Adhesion		Application Ideas	Liner Type									
				Minutes Hours	Days Weeks		HSE	LSE											
3M™ VHB™+ Tape	4926	15 (0.4)	Dark gray, closed-cell acrylic foam carrier.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Med.	Bond muntin bars to windows. Bond and seal polycarbonate lens over LCD.	A								
	4936	25 (0.64)									B								
	4936F	25 (0.64)									B								
	4941	45 (1.1)									A								
	4941F	45 (1.1)									D								
	4956	62 (1.6)									A								
	4956F	62 (1.6)									B								
	4979F	62 (1.6)									B								
	4932	25 (0.64)									White, closed-cell acrylic foam carrier. Adhesive provides good adhesion to polypropylene and many powder paints.	Synthetic	200°F (93°C)	160°F (71°C)	High	High	High	Bond powder painted metal stiffeners to office desks and file cabinets. Bond polypropylene, polystyrene and other low surface energy plastics.	A
	4952	45 (1.1)																	A
4951	45 (1.1)	White, closed-cell acrylic foam carrier. Can be applied as low as 32°F (0°C).	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Low	Mount panels to aluminum frames in buildings. Mount aluminum panels to truck trailer frames. Mount trim to portable buildings. Bond cellular phone antennas.	C									
4943F	45 (1.1)	Gray conformable foam. Can be applied as low as 32°F (0°C).	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Low	Bond cellular phone antennas. Bond automatic toll tags to vehicle bumpers.	C									
4957F	62 (1.6)									C									
3M™ VHB™ Tape	4905	20 (0.5)	Clear, closed-cell acrylic carrier. Excellent for joining transparent material.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Low	Seal between inner/outer dome of skylights. Attach handle to sliding glass doors. Mount back lit translucent signs. Edge-bond resin filled glass.	D								
	4910	40 (1.0)									D								
	4920	15 (0.4)									White, closed-cell acrylic foam carrier. Features an all-purpose adhesive. UL Listing 746C.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Low	Attach stiffeners in air conditioners, office furniture and telecommunications equipment. Bond aluminum skin to steel support of trucks, vans, ambulances.	A
	4930	25 (0.64)																	A
	4950	45 (1.1)									A								
	4955	80 (2.0)									Black version of 4930 tape. Black version of 4950 tape.	Acrylic	400°F (204°C)	300°F (149°C)	High	High	Low	Bond architectural signs to frames.	C
	4959	120 (3.0)																	C
	4929	25 (0.64)									White, closed-cell acrylic foam carrier. Plasticizer resistant. UL Listing 746C.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Med.	Attach letters and signs to windows. Mount black trim.	C
	4949	45 (1.1)																	C
	4945	45 (1.1)									A								
4946	45 (1.1)	Same as 4945 tape with film liner.	Acrylic	300°F (149°C)	200°F (93°C)	High	High	Med.	Bond vinyl trim. Bond vinyl extrusions to window frames. Bond pre-painted truck and trailer skins.	B									
Transfer Tape	F-9460 PC	2.0 (0.05)	Clear adhesive transfer tape. Features high shear strength adhesive. UL Listing 746C.	100 VHB	500°F (260°C)	300°F (149°C)	High	High	Low	Bond decorative metal trim. Bond flexible circuits to aluminum rigidizers or heat sinks.	E								
	F-9469 PC	5.0 (0.13)									E								
	F-9473 PC	10 (0.25)									E								

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.

Liner Types:

A – 3 mil 54# Densified Kraft paper
 B – 5 mil clear Polyethylene film
 C – 2 mil Polyester film
 D – 5 mil Red Polyethylene film
 E – 4 mil 58# Polycoated Kraft paper

Relative Adhesion:

HSE – High Surface Energy
 LSE – Low Surface Energy
 (See p. 28)