



VHB™ Acrylic Foam Tapes

RP16 • RP25 • RP32 • RP45 • RP62

Product Data Sheet

April 2010
Supersedes: March 2010

Product Description

3M™ VHB™ Acrylic Foam Tapes RP16, RP25, RP32, RP45 and RP62 are double sided pressure sensitive adhesive tapes for bonding a variety of substrates including many metal, plastic and painted materials.

Construction

	RP16	RP25	RP32	RP45	RP62
Thickness (mm) acc. to ASTM D3652	0.4	0.6	0.8	1.1	1.57
Release Liner	White DK paper (black 3M™ VHB™ print)				
Tape Colour	Gray				
Foam Density	720 kg/m ³				
Adhesive Type	Multi-Purpose Acrylic				
Adhesive Carrier	Conformable Acrylic Foam (closed cell)				

Performance Characteristics

	RP16	RP25	RP32	RP45	RP62
Adhesion to Stainless Steel (N/100 mm) acc. to ASTM D3330 on stainless steel at 90 ° peel angle	210	300	315	350	350
Tensile Strength (kPa) acc. to ASTM D897 on stainless steel	655	620	585	585	550
Dynamic Shear (kPa) acc. to ASTM D1002 on stainless steel	620	550	515	480	480
Static Shear acc. to ASTM D3654 Weight held for 10,000 minutes to stainless steel	22 °C		70 °C		1000 g/inch ²
	70 °C		93 °C		500 g/inch ²
	93 °C				500 g/inch ²
Temperature Performance acc. to ASTM D1002 on stainless steel, dwelled 4 hrs at elevated temperature with 100 g weight	Short term (minutes, hours):			121 °C	
	Long term (days, weeks):			93 °C	
Solvent Resistance	High				

Application Guidelines	For maximum bond strength the surfaces should be thoroughly cleaned with a 50:50 mixture of isopropyl alcohol* and water. Ideal tape application is accomplished when temperature is between 21 °C and 38 °C and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 10 °C is not recommended.
Storage	Store in original cartons at 21 °C and 50 % relative humidity.
Shelf Life	When stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.
For Additional Information	To request additional product information or to arrange for sales assistance, call 0870 6080050 Address correspondence to: 3M United Kingdom PLC, 3M House, 28 Great Jackson Street, Manchester, M15 4PA

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