Rapid Die Cut

3M™ VHB™ Tape 4991

3M™ VHB™ Tape 4991 is a 0.090 inch (2.3 mm) thick gray double coated acrylic foam tape with PE film liner. The multi-purpose acrylic adhesive on both sides bonds to a broad range of high and medium surface energy substrates including metals, glass and a wide variety of paints and plastics as well asPlasticized Vinyl. The conformable foam provides good contact between substrates even when they are slightly mismatched. 3M™ VHB™ Tape 4991 is part of the 4941 tape family. Each product in this family has multi-purpose acrylic adhesive and conformable foam but varies in thickness, color and liner type.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

3M™ VHB™ Tape 4991

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color		-	Gray
Adhesive Type		-	Multi-Purpose Acrylic
Foam Type		–	Conformable Acrylic Foam
Density	ASTM D3574	kg/m^3 lb/ft^3	720 45
Total Tape Thickness	ASTM D3652	mm in mil	2.3 0.09 90
Thickness Tolerance		%	10
Liner		-	PE Film
Liner Thickness		mm in mil	0.13 0.005 5
Primary Liner Color		-	Red (printed)
90° Peel Adhesion	ASTM D3330	N/cm lb/in	39 22
Normal Tensile	ASTM D897	kPa lb/in^2	480 70
Overall Shear Strength	ASTM D1002 ISO 4587	kPa lb/in^2	450 65
Minimum Application Temperature		°F °C	60 15
Short Term Temperature Resistance		°F °C	250 121
Long Term Temperature Resistance		°F °C	200 93

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