Rapid Die Cut

3M™ VHB™ Tape 5906

3M™ VHB™ Tape 5906 is a 0.006 inch (0.15 mm) thick black double-sided acrylic foam tape with PET liner. The modified acrylic adhesive on both sides bonds to a broad range of high, medium and medium/low surface energy substrates including metals, glass and a wide variety of plastics and paints, including many powder coated paints. The very conformable foam provides good contact between substrates even when they are slightly mismatched. 3M™ VHB™ Tape 5906 is part of the 5952 tape family. Each product in this family has modified acrylic adhesive and very conformable foam but varies in thickness, color and liner type.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

3M™ VHB™ Tape 5906

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color		-	Black
Adhesive Type		-	Modified Acrylic
Foam Type		–	Very Conformable Acrylic Foam
Density	ASTM D3574	kg/m^3 lb/ft^3	720 45
Total Tape Thickness	ASTM D3652	mm in mil	0.15 0.006 6
Thickness Tolerance		%	15
Liner		-	PET
Liner Thickness		mm in mil	0.08 0.003 3
Primary Liner Color		-	Clear
90° Peel Adhesion	ASTM D3330	N/cm lb/in	16 9
Normal Tensile	ASTM D897	kPa lb/in^2	690 100
Overall Shear Strength	ASTM D1002 ISO 4587	kPa lb/in^2	690 100
Minimum Application Temperature		°F °C	50 10
Short Term Temperature Resistance		°F °C	300 149
Long Term Temperature Resistance		°F °C	250 121

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