

3M VHB™ F9473PC Adhesive Transfer Tapes with Adhesive 100MP

Category : Polymer , Adhesive

Material Notes:

3M™ VHB™ Adhesive Transfer Tapes F9460PC, F9469PC and F9473PC utilize the 3M™ High Performance Acrylic Adhesive 100MP, which has excellent long term holding power with much higher adhesion strength than typical pressure sensitive adhesive systems. These 3M™ VHB™ Adhesive Transfer Tapes are transparent and are ideal for use in many interior and exterior industrial applications to replace rivets, spot welds, liquid adhesives, and other permanent fasteners. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-VHB-F9473PC-Adhesive-Transfer-Tapes-with-Adhesive-100MP.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	
Thickness	102 microns	4.00 mil	Liner Material
	254 microns	10.0 mil	Adhesive

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.690 MPa	100 psi	T-Block on Aluminum; ASTM D987
Shear Strength	0.552 MPa	80.0 psi	Dynamic Shear to Stainless Steel; ASTM D1002
Peel Strength	1.58 kN/m	9.00 pli	to Stainless Steel; ASTM D3330

Thermal Properties	Metric	English	Comments
CTE, linear	77.0 μm/m-°C	42.8 μin/in-°F	
Thermal Conductivity	0.669 W/m-K	4.64 BTU-in/hr-ft ² -°F	ASTM C177
Maximum Service Temperature, Air	149 °C	300 °F	Long Term
	260 °C	500 °F	Short Term

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+6 ohm	>= 1.00e+6 ohm	ASTM D1000
Dielectric Strength	39.4 kV/mm	1000 kV/in	ASTM D149-97A
	@Temperature 125 °C	@Temperature 257 °F	
	39.4 kV/mm	1000 kV/in	ASTM D149-97A
@Temperature 175 °C	@Temperature 347 °F		
	47.2 kV/mm	1200 kV/in	

Electrical Properties	Metric	English	ASTM D149-97A Comments
	74.8 kV/mm @Temperature 23.0 °C	1900 kV/in @Temperature 73.4 °F	ASTM D149-97A
	102 kV/mm @Temperature 125 °C	2600 kV/in @Temperature 257 °F	ASTM D149-97A
	118 kV/mm @Temperature 23.0 °C	3000 kV/in @Temperature 73.4 °F	ASTM D149-97A
	217 kV/mm @Temperature 23.0 °C	5500 kV/in @Temperature 73.4 °F	ASTM D149-97A

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	

Descriptive Properties	Value	Comments
Liner	58# polycoated Kraft	

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