

3M VHB™ F9460PC 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-F9460PC-Adhesive-Transfer-Tapes-with-Adhesive-100MP.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	
Thickness	50.8 microns	2.00 mil	Adhesive
	102 microns	4.00 mil	Liner Material

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	1.23 kN/m	7.00 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	1900 kV/in	ASTM D149-97A
	@Temperature 175 °C	@Temperature 347 °F	
	102 kV/mm	2600 kV/in	ASTM D149-97A
	@Temperature 125 °C	@Temperature 257 °F	
	118 kV/mm	3000 kV/in	ASTM D149-97A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	217 kV/mm	5500 kV/in	ASTM D149-97A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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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