

3M 4504 Single-Coated Foam Tape

Category : Polymer , Tape

Material Notes:

3M™ Single-Coated Foam Tapes will adhere to a variety of substrates, including latex-painted wood, lacquered wood, enameled steel, glass, aluminum, stainless steel, acrylic, ABS, and PVC (non-plasticized) as tape adhesion is typically satisfactory within 20 minutes and continues to build and additional time. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-4504-Single-Coated-Foam-Tape.php

Physical Properties	Metric	English	Comments
Density	0.320 g/cc	0.0116 lb/in ³	foam with adhesive; ASTM D3574
Water Absorption	5.0 %	5.0 %	ASTM D1056
Thickness	76.2 microns	3.00 mil	Release Liner
	6350 microns	250 mil	Total

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	50	50	Foam with adhesive; ASTM D2240
Tensile Strength at Break	0.620 MPa	89.9 psi	Die "A"; ASTM D3759
Elongation at Break	200 %	200 %	Die "A"; ASTM D3759
Compressive Strength	0.0276 MPa	4.00 psi	Deflection, Compress 25%; ASTM D3574
Compression Set	15 %	15 %	ASTM D1667

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0430 W/m-K	0.298 BTU-in/hr-ft ² -°F	ASTM C518

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+11 ohm	1.00e+11 ohm	Non-adhesive side; ASTM D257
	2.00e+11 ohm	2.00e+11 ohm	Adhesive side; ASTM D257
Dielectric Strength	1.97 kV/mm	50.0 kV/in	ASTM D149

Descriptive Properties	Value	Comments
Adhesive Type	430	
Appearance		

Descriptive Properties	Black Value	Comments
	White	liner

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