

3M SJ5300 Protective Product, Molded Shapes

Category : Other Engineering Material

Material Notes:

3M Bumpon Protective Products Molded Shapes – Colored and Clear Series are pressure-sensitive, adhesive-back polyurethane products. They can be used as feet, stops, spaces, and protectors in many applications. The urethane is a durable, resilient elastomer. The aggressive, high tack, pressure sensitive adhesive is protected with a release liner making application fast and easy. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-SJ5300-Protective-Product-Molded-Shapes.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	75	75	ASTM D2240
Tensile Strength at Break	5.10 MPa	740 psi	Die A; ASTM D412
Elongation at Break	65 %	65 %	Die A; ASTM D412
Coefficient of Friction	>= 1.0	>= 1.0	Stainless Steel, Kinetic; ASTM D1894
	>= 1.0	>= 1.0	Glass, Kinetic; ASTM D1894
	0.90 - 1.4	0.90 - 1.4	Formica laminate, Kinetic; ASTM D1894
	0.90 - 1.4	0.90 - 1.4	Wood, Kinetic; ASTM D1894
	Peel Strength	0.526 kN/m	3.00 pli
	1.93 kN/m	11.0 pli	90°, Adhesion to Polystyrene
	4.38 kN/m	25.0 pli	90°, Adhesion to ABS
	4.38 kN/m	25.0 pli	90°, Adhesion to Stainless Steel
	4.38 kN/m	25.0 pli	90°, Adhesion to Aluminum
Taber Abrasion, mg/1000 Cycles	<= 1.3	<= 1.3	H18, 1 kg; ASTM C501

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	52.0 °C	126 °F	Application
	66.0 °C	151 °F	Service
	107 °C	225 °F	Intermittent
Minimum Service Temperature, Air	-34.0 °C	-29.2 °F	Service
	5.00 °C	41.0 °F	Application

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.6 kV/mm	370 kV/in	ASTM D1000

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