

3M SJ5000 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-SJ5000-Protective-Product-Molded-Shapes.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	72	72	ASTM D2240
Tensile Strength at Break	4.10 MPa	595 psi	Die A; ASTM D412
Elongation at Break	100 %	100 %	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	3.86 kN/m	22.0 pli
	3.86 kN/m	22.0 pli	90°, Adhesion to Aluminum
	4.38 kN/m	25.0 pli	90°, Adhesion to Polypropylene
	4.38 kN/m	25.0 pli	90°, Adhesion to Polystyrene
	4.38 kN/m	25.0 pli	90°, Adhesion to ABS
Taber Abrasion, mg/1000 Cycles	1.7 - 1.9	1.7 - 1.9	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	7.87 kV/mm	200 kV/in	ASTM D1000

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