

3M Bumpon™ SJ5832 Resilient Rollstock

Category : Polymer , Adhesive

Material Notes:

3M Bumpon Resilient Rollstock Products are opaque, colored polyurethane materials produced with aggressive pressure-sensitive adhesives. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Bumpon-SJ5832-Resilient-Rollstock.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	
Thickness	787 microns	31.0 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore M	72	72	Polyurethane
Tensile Strength at Break	4.14 MPa	600 psi	Die A; ASTM D412
Elongation at Break	100 %	100 %	Die A; ASTM D412
Coefficient of Friction	>= 1.0	>= 1.0	Stainless Steel, Kinetic
	>= 1.0	>= 1.0	Glass, Kinetic
	0.90 - 1.4	0.90 - 1.4	Formica laminate, Kinetic
	0.90 - 1.4	0.90 - 1.4	Wood, Kinetic
Peel Strength	3.86 kN/m	22.0 pli	90°, Adhesion to Stainless Steel
	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
Compression Set	3.0 %	3.0 %	ASTM D1056
	4.0 %	4.0 %	25% deflection; ASTM D1056

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	52.0 °C	126 °F	Application

Thermal Properties	66.0 °C Metric	151 °F English	Service Comments
	107 °C	225 °F	Intermittent Exposure
Minimum Service Temperature, Air	-34.0 °C	-29.2 °F	Service
	5.00 °C	41.0 °F	Application
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	7.87 kV/mm	200 kV/in	ASTM D1000

Descriptive Properties	Value	Comments
Adhesive Type	R-30 (natural rubber)	
Appearance	Black Brown	

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