

Lubrizol Hipscon™ M-530 Static Control Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Molded, Unreinforced

Material Notes:

Hipscon™ M-530 is a conductive, carbon black filled, polystyrene available as extruded sheet and compound. Thermoformed trays are lightweight and easily formed into deep pockets that maintain uniform static protection. The M-530, high in stiffness, insures uniform pocket formation in critical performance application. Hipscon™ M-530 sheet is available in custom extruded gauges from 0.012 to 0.080 inch and widths of 10 to 48 inches. Product is typically provided as rollstock with a smooth surface finish. Features: Superior impact strength High degree of stiffness High Gloss Applications: Tape & reel Electronic component packaging Component handling trays Data provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Hipscon-M-530-Static-Control-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	16 %	16 %	ASTM D638
Tensile Modulus	1.38 GPa	200 ksi	ASTM D638
Flexural Modulus	2.17 GPa	315 ksi	ASTM D790-92

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	20 %	20 %	60°; Back
	35 %	35 %	60°; Front

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	50% RH; ASTM D257
Surface Resistance	10000 ohm	10000 ohm	ESD S11.11
Surface Resistivity per Square	1e+05	1e+05	50% RH; ASTM D257
Static Decay	<= 0.010 sec	<= 0.010 sec	FTMS-101C; 12% R.H., (+5000 V to 50 V)

Electrical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
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Color	Black	
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