

Lubrizol Hipscon™ M-520 Static Control High Impact Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Hipscon™ M-520 is a conductive, carbon black filled, High Impact Polystyrene available as extruded sheet. Thermoformed trays are easily formed into deep pockets that maintain uniform static protection and show excellent "crush strength." Hipscon maintains extremely low gloss surfaces after forming, allowing for easy reading of package contents via automated sensors. Hipscon™ M-520 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 crush strength High degree of stiffness Uniform pocket formation Consistent, permanent ESD protection Applications: Electronic component packaging and handling trays Tape & reel Material handling boxes and bins Data provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Hipscon-M-520-Static-Control-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Tensile Modulus	1.86 GPa	270 ksi	ASTM D638
Flexural Modulus	1.86 GPa	270 ksi	Injection Molded; 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	12 %	12 %	60°; Front
	12 %	12 %	60°; Back

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

Electrical Properties	≤ 0.010 sec Metric	≤ 0.010 sec English	FTMS-101C; 12% R.H., (-5000 V to -50 V)
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Descriptive Properties	Value	Comments
Color	Black	

Contact Songhan Plastic Technology Co.,Ltd.

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