

Lubrizol Hipscon™ M-505 Static Control High Impact Polystyrene

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

Material Notes:

Hipscon™ M-505 is a conductive, carbon black filled, High Impact Polystyrene available as extruded sheet. Thermoformed trays are lightweight and easily formed into deep pockets that maintain uniform static protection. Hipscon maintains extremely low gloss surfaces after forming, allowing for easy reading of package contents via automated sensors. Hipscon™ M-505 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:Hipscon M-505 Chloride free(

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Hipscon-M-505-Static-Control-High-Impact-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.9 MPa	2600 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Flexural Modulus	1.59 GPa	230 ksi	ASTM D790-92
Tear Strength	68.0 kN/m	388 pli	ASTM D646

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	9.0 %	9.0 %	60°; Front
	14 %	14 %	60°; Back

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

Descriptive Properties	Value	Comments
Color	Black	

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