

Lubrizol Hipscon™ B-515 Static Control Polystyrene

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

Material Notes:

Hipscon™ B-515 is a carbon black-filled, Polystyrene compound available in compound form. Hipscon™ B-515 compound maintains extremely low gloss surfaces after molding, allowing for easy reading of package contents via automated sensors. Features: High degree of stiffness Consistent, permanent ESD protection Humidity independent Applications: Electronic component packaging and handling trays Material handling boxes and bins Data provided by Noveon, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Hipscon-B-515-Static-Control-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	ASTM D790

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

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	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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