

Lubrizol Stat-Rite® SIS535 Static Control System

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

Material Notes:

Product Description: Stat-Rite® SIS535 is a static dissipative HIPS alloy. Stat-Rite SIS535 utilizes the patented Stat-Rite inherently dissipative polymer (IDP) alloy system to provide clean, permanent ESD protection. Stat-Rite® IDP alloys provide consistent static dissipation even when extruded, injection molded or thermoformed into components. **Features:** Permanent static dissipative Humidity insensitive Ultra-clean: low off-gassing, low ionic contamination Colorable Durable: Can be used for years and years **Applications:** Medical device packaging Electronic component handling Hard disk packaging Available in Americas, Europe, Middle East, Africa, India and Asia Data provided by Lubrizol

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Stat-Rite-SIS535-Static-Control-System.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.3 MPa	4100 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Tensile Modulus	1.10 GPa	160 ksi	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790-92
Izod Impact, Notched	9.61 J/cm	18.0 ft-lb/in	ASTM D256-92

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	60.0 °C	140 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+9 ohm-cm	2.00e+9 ohm-cm	ASTM D257
Surface Resistance	8.00e+8 ohm	8.00e+8 ohm	12% RH; ESD S11.11
Surface Resistivity per Square	2.00e+9 ohm	2.00e+9 ohm	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	(-5000 V to -50 V)

Electrical Properties	0.10 sec Metric	0.10 sec English	(+1000 V to 100 V) Comments
Descriptive Properties	Value		Comments
Color	Light Blue		

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China