

Lubrizol Stat-Rite® M-809 Static Control Acrylic

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

Material Notes:

Stat-Rite® M-809 is a static dissipative Acrylic alloy. Stat-Rite® M-809 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 performance Humidity insensitive Recyclable and reusable Applications: Thermoformed packaging PCB trays Electronic component packaging Properties of all Stat-Rite® polymer products in the molten state are adversely affected by moisture. Although Stat-Rite® compounds are dry when packaged, trace amounts of moisture can be absorbed during storage and handling. For best results, always dry the material three to four hours at 70°C (160°F) in a dehumidifying hopper dryer. 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-M-809-Static-Control-Acrylic.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.2 MPa	3800 psi	ASTM D638
Elongation at Break	27 %	27 %	ASTM D638
Tensile Modulus	1.51 GPa	219 ksi	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790-92
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256-92

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	67.0 °C	153 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	ASTM D257
Surface Resistance	9.00e+9 ohm	9.00e+9 ohm	12% RH; ESD S11.11
Surface Resistivity per Square	1.00e+10 ohm	1.00e+10 ohm	50% RH; ASTM D257
Static Decay	0.030 sec	0.030 sec	FTMS-101C; 12% R.H. (+5000 V to 50 V)

Electrical Properties	0.040 sec Metric	0.040 sec English	FTMS-101C; 12% R.H. (-5000 V to -50 V)
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Descriptive Properties	Value	Comments
Color	Transparent	

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