

Lubrizol Stat-Rite® M-690 Static Control PETG Alloy

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , PETG Copolyester

Material Notes:

Stat-Rite® M-690 is a static dissipative PETG alloy. Stat-Rite® M-690 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 Ultra-clean: low off-gassing, low contamination Colorable Applications: Hard disk packaging Medical device packaging Electronic component handling 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-690-Static-Control-PETG-Alloy.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	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Tensile Modulus	1.24 GPa	180 ksi	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790-92
Izod Impact, Notched	10.7 J/cm	20.0 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	8.00e+10 ohm-cm	8.00e+10 ohm-cm	ASTM D257
Surface Resistance	2.00e+9 ohm	2.00e+9 ohm	12% RH; ESD S11.11
Surface Resistivity per Square	2.00e+10 ohm	2.00e+10 ohm	ASTM D257
Static Decay	0.10 sec	0.10 sec	FTMS-101C; 12% R.H. (+5000 V to 50 V)
	0.10 sec	0.10 sec	FTMS-101C; 12% R.H. (-5000 V to -50 V)

Descriptive Properties	Value	Comments
Color	Pearl	

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