

Lubrizol STAT-RITE® E-1150 Ether-Type Static Dissipative Polymer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP

Material Notes:

Description: IStat-Rite® E-1150 blend is a static dissipative thermoplastic polyurethane (TPU) alloy. Stat-Rite E-1150 utilizes the patented Stat-Rite inherently dissipative polymer (IDP) alloy system to provide clean, permanent ESD protection. Stat-Rite alloys retain uniform static dissipation properties even when injection molded or extruded. Features: Permanently static dissipative Humidity independent See-through clarity No particulates Ultra-clean: low off-gassing, low ionics, low particulates Applications: Cleanroom soft walls, windows and doors Vacuum tubing Work surface mats Available in Americas, Europe, Middle East, Africa, India and Asia Information provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-STAT-RITE-E-1150-Ether-Type-Static-Dissipative-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength at Break	65.0 MPa	9430 psi	ASTM D412
Elongation at Break	760 %	760 %	ASTM D412
100% Modulus	0.00520 GPa	0.754 ksi	ASTM D412
300% Modulus	0.0124 GPa	1.80 ksi	ASTM D412
Tear Strength	68.0 kN/m	388 pli	ASTM D646

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.00e+10 ohm-cm	4.00e+10 ohm-cm	ASTM D257
Surface Resistivity per Square	1.00e+11 ohm	1.00e+11 ohm	ASTM D257
Static Decay	1.3 sec	1.3 sec	12% RH (+5000 V to 50 V); FTMS-101C
	1.3 sec	1.3 sec	12% RH (-5000 V to -50 V); FTMS-101C

Processing Properties	Metric	English	Comments
Drying Temperature	105 °C	221 °F	dehumidifying hopper
Dry Time	2.00 - 3.00 hour	2.00 - 3.00 hour	

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