

## Lubrizol Stat-Rite® X-5065 Static Control IDP-TPU Elastomeric Polymer Alloy

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

### Material Notes:

Elastomeric Stat-Rite® Polymer alloy X-5065 blend is a patented inherently dissipative polymer (IDP) with thermoplastic polyurethanes (TPU). This produces soft, flexible polymer alloys with an inherent static dissipative polymer network. This inherent static dissipative network remains intact through injection molding or extruding while maintaining the physical properties of TPU. Stat-Rite® TPU alloys are formulated for permanent and consistent ESD protection without comprising cleanliness. Features: Permanently static dissipative Does not require humidity Ultra-Clean: low off-gassing, low ionics, low particulates See-through clarity No particulates Applications: Cleanroom soft walls, windows and doors Electronic component handling Vacuum Tubing Work surface mats 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 two to three hours at 105°C (220°F) in a dehumidifying hopper dryer. Data provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Stat-Rite-X-5065-Static-Control-IDP-TPU-Elastomeric-Polymer-Alloy.php](http://www.lookpolymers.com/polymer_Lubrizol-Stat-Rite-X-5065-Static-Control-IDP-TPU-Elastomeric-Polymer-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength, Yield	37.9 MPa	5500 psi	ASTM D412
Elongation at Break	700 %	700 %	ASTM D412
100% Modulus	0.0103 GPa	1.50 ksi	ASTM D412
300% Modulus	0.0193 GPa	2.80 ksi	ASTM D412

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. Specifies transparent but doesn't quantify

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+10 ohm	1.00e+10 ohm	ASTM D257
Static Decay	0.20 sec	0.20 sec	50% R.H. Charge Plate Monitor

Processing Properties	Metric	English	Comments
Drying Temperature	105 °C	221 °F	

<small>Dry Time</small> Processing Properties	<small>2 - 3 hour</small> Metric	<small>2 - 3 hour</small> English	Comments
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Descriptive Properties	Value	Comments
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Color	Transparent	
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## Contact Songhan Plastic Technology Co.,Ltd.

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