

## Lubrizol Stat-Rite® X-5076 Static Control High Impact Polystyrene

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

### Material Notes:

Stat-Rite® X-5076 is a static dissipative, High Impact Polystyrene alloy. Stat-Rite® X-5076 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 properties when thermoformed into complex tray designs. Gardner Drop - Impact Strength is 1.0 in-lb/mil per ASTM D-5420-93. Features: Superior static decay Clean: no sloughing, low offgassing, low ionics Consistent ESD properties after thermoforming Carbon-free protection Applications: Electronic component packaging Tape & reel Component handling trays 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. Data provided by Noveon, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Stat-Rite-X-5076-Static-Control-High-Impact-Polystyrene.php](http://www.lookpolymers.com/polymer_Lubrizol-Stat-Rite-X-5076-Static-Control-High-Impact-Polystyrene.php)

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	14.5 MPa	2100 psi	ASTM D638-95
Elongation at Break	150 %	150 %	ASTM D638-95
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790-95A
Izod Impact, Notched	2.14 J/cm	4.00 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
Vicat Softening Point	94.0 °C	201 °F	ASTM D1525-95

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+11 ohm-cm	5.00e+11 ohm-cm	50% RH; ASTM D257
Surface Resistance	5.00e+9 ohm	5.00e+9 ohm	ESD S11.11; 50 % R.H.
Surface Resistivity per Square	5.00e+10 ohm	5.00e+10 ohm	50% RH; ASTM D257
Static Decay	0.30 sec	0.30 sec	FTMS-101C; 12% R.H., (+5000 V to 50 V)
	1.5 sec	1.5 sec	Charged Plate Monitor (+1000 V to 100 V)

Descriptive Properties	Value	Comments
Color	White	

## Contact Songhan Plastic Technology Co.,Ltd.

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