

## Shinil Chemical SHINSTAT MS Electrostatic Control Polymer Injection Grade

Category : Polymer , Thermoplastic , Polystyrene (PS)

**Material Notes:**

SHINSTAT is an Inherently Dissipative Polymer (IDP) compound which can discharge the electrostatic charge (ESD) effectively. Shinil has designed SHINSTAT using Shinil's patented IDP technology for special polymers (PC, PETG, PCTG, PS, ABS, PC/ABS, PMMA etc) to impart permanent static dissipative property. SHINSTAT is directly molded or extruded (film) to achieve the desired level of antistatic property. The level of surface resistivity by SHINSTAT can be varied in the final products depending upon customer needs. Feature and Benefits Permanent electrostatic controllability Transparent and colorable Less humidity dependent No particulates Low ionics, out gassing or blooming Recyclability Used for injection molding, film or sheet extrusion Cost effective Information Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shinil-Chemical-SHINSTAT-MS-Electrostatic-Control-Polymer-Injection-Grade.php](http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINSTAT-MS-Electrostatic-Control-Polymer-Injection-Grade.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	49.0 MPa	7110 psi	
Flexural Strength	206.01 MPa	29879 psi	
Flexural Modulus	2.94 GPa	427 ksi	
Izod Impact, Notched	0.294 J/cm	0.551 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 Å°C	185 Å°F	

Optical Properties	Metric	English	Comments
Transmission, Visible	87 %	87 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+10 ohm-cm	3.00e+10 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	230 Å°C	446 Å°F	

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