

## Shinil Chemical SHINSTAT PC Electrostatic Control Polymer Injection Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**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-PC-Electrostatic-Control-Polymer-Injection-Grade.php](http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINSTAT-PC-Electrostatic-Control-Polymer-Injection-Grade.php)

| Mechanical Properties      | Metric     | English        | Comments |
|----------------------------|------------|----------------|----------|
| Tensile Strength, Ultimate | 68.6 MPa   | 9960 psi       |          |
| Flexural Strength          | 107.91 MPa | 15651 psi      |          |
| Flexural Modulus           | 2.45 GPa   | 356 ksi        |          |
| Izod Impact, Notched       | 0.490 J/cm | 0.918 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 | 89 %   | 89 %    |          |

| Electrical Properties | Metric          | English         | Comments |
|-----------------------|-----------------|-----------------|----------|
| Volume Resistivity    | 5.00e+11 ohm-cm | 5.00e+11 ohm-cm |          |

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

### Contact Songhan Plastic Technology Co.,Ltd.

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