

Shinil Chemical SHINCON MPPO Electro Conductive Polymer

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

SHINCON is the product line of SHINIL's electrically conductive compound which is able to dissipate the electrostatic charge (ESD) effectively. Shinil has developed SHINCON products using Shinil's patented conductive filler dispersion technology with variety of engineering polymers and their alloys to impart permanent static dissipative to electrically conductive property to thermoplastics. SHINCON contains multiwall carbon nanotube (MWCNT), carbon black (CB), and carbon fiber (CF) as a conductive filler. SHINCON are used in injection molding, film or sheet extrusion for the applications where the desired level of conductivity and unique mechanical property are important. A wide range of the surface resistivity is obtained by SHINCON formulations for the parts and devices depending upon customer needs and applications.

Feature and Benefits
 Permanent electro conductivity
 Maintain the physical properties of base resin
 No particulates (CNT product)
 Lighter weight
 Recyclability
 Easy processing
 Improved surface
 Cost effective

Grade/Application: IC Tray
 Information Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINCON-MPPO-Electro-Conductive-Polymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity | 1.25 g/cc | 1.25 g/cc | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|---------------|----------|
| Tensile Strength, Ultimate | 108 MPa | 15600 psi | |
| Flexural Strength | 186.39 MPa | 27034 psi | |
| Flexural Modulus | 8.63 GPa | 1250 ksi | |
| Izod Impact, Notched | 0.686 J/cm | 1.29 ft-lb/in | |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 175 Â°C | 347 Â°F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------|---------------|----------|
| Volume Resistivity | 200000 ohm-cm | 200000 ohm-cm | |

| Processing Properties | Metric | English | Comments |
|------------------------|---------|---------|----------|
| Processing Temperature | 270 Â°C | 518 Â°F | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China