Shinil Chemical SHINCON PES Electro Conductive Polymer

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

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 resistaivity is obtained by SHINCON formulations for the parts and devices depending upon customer needs and applications.Feature and BenefitsPermanent electro conductivityMaintain the physical properties of base resinNo particulates (CNT product)Lighter weightRecyclabilityEasy processingImproved surfaceCost effectiveGrade/Application: Magazine RackInformation Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINCON-PES-Electro-Conductive-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.85 g/cc	1.85 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	137 MPa	19900 psi	
Flexural Strength	245.25 MPa	35571 psi	
Flexural Modulus	10.8 GPa	1560 ksi	
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	220 Â°C	428 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	300000 ohm-cm	300000 ohm-cm	

Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	

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