Kostat 1940 Conductive PC Compound

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

KOSTAT 1940 is a conductive thermoplastic compound based on Polycarbonate and a special carbon fiber. KOSTAT 1940 is not dependant on atmospheric conditions and is used for ESD injection molded products.Special FeaturesThis product exhibits high conductivity, easy processing, smooth sheet surface, and tight dimensional tolerances after injection molding. This makes KOSTAT 1940 suitable for various injection molding applications.Applications:KOSTAT 1940 is recommended for electronics packaging such as ESD Trays and other injection molded products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kostat-1940-Conductive-PC-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	7.95 GPa	1150 ksi	ASTM D790
Izod Impact, Notched	0.900 J/cm	1.69 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 Â°C	270 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	Kostat Rv
Surface Resistivity per Square	10000 ohm	10000 ohm	Kostat Rs

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	280 Â°C	536 Â°F	
Middle Barrel Temperature	290 Â°C	554 Â°F	
Front Barrel Temperature	300 Â°C	572 Â°F	

Processing Properties	Metric	English	Comments
Nozzle Temperature	290 Â°C	554 Â°F	
Mold Temperature	80.0 Â°C	176 Â°F	

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