LNP Stat-Kon® EC-1004 Polyetherimide, Carbon Fiber Reinforcement (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Carbon Fiber Filled

Material Notes:

Features: Electrically ConductiveForms: PelletsProcessing Method: Injection MoldingInformation provided by LNP, a GE Plastics Company.This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:
http://www.lookpolymers.com/polymer_LNP-Stat-Kon-EC-1004-Polyetherimide-Carbon-Fiber-Reinforcement-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	Method A; ASTM D792
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	232 MPa	33600 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Flexural Strength	303 MPa	43900 psi	ASTM D790
Flexural Modulus	16.0 GPa	2320 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.18 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm @Thickness 3.18 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	213 °C	415 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	ASTM D257
Surface Resistance	10000 ohm	10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 366 °C	680 - 691 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	121 - 149 °C	250 - 300 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.020 %	0.020 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

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