Techmer ES ElectrablendÂ® PA6/6 03003 CF Carbon Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Carbon Fiber Filled , Nylon 66, Conductive , Nylon 66, Heat Stabilized , Nylon 66, Impact Grade

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Carbon Fiber ReinforcementAdditive: Lubricant, Impact Modifier and Heat StabilizerFeatures: Lubricated, Electrically Conductive, Impact Modified and Heat StabilizedInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PA66-03003-CF-Carbon-Filled.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/inÂ³	ASTM D792
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.17 mm	0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	155 MPa	22500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	2.03 J/cm @Thickness 3.17 mm	3.80 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	10.1 J/cm @Thickness 3.17 mm	19.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.6 Âµm/m-Â°C	22.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	252 Â°C	485 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	220 Â°C	428 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 1.00e+8 ohm-cm	1000 - 1.00e+8 ohm-cm	ASTM D257
Surface Resistance	1000 - 1.00e+8 ohm	1000 - 1.00e+8 ohm	ASTM D257

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