

Techmer ES Electrablend® PPS 06000

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Conductive

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Metallic Flake Features: Electrically Conductive Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PPS-06000.php

Physical Properties	Metric	English	Comments
Density	3.70 g/cc	0.134 lb/in ³	ASTM D792
Water Absorption	0.050 % @Time 86400 sec	0.050 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 Åµm/m-Å°C	11.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	274 Å°C	525 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	260 Å°C	500 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 0.399 mm	V-0 @Thickness 0.0157 in	

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.0 ohm-cm Metric	1.0 ohm-cm English	ASTM D257 Comments
Surface Resistance	1.0 ohm	1.0 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

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