

## Techmer ES Electrablend® PPS 06001

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 10% Carbon Fiber Filler , Polyphenylene Sulfide (PPS), Conductive

**Material Notes:**

Availability: North America Forms: Pellets Filler/Reinforcement: Carbon Fiber Reinforcement 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-06001.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrablend-PPS-06001.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength at Break	67.6 MPa	9800 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Modulus	0.552 GPa	80.0 ksi	ASTM D790
Tear Strength	35.1 kN/m	200 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	104 Å°C	220 Å°F	ASTM D1525

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 - 1000 ohm-cm	10 - 1000 ohm-cm	ASTM D257
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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