

## Techmer ES Statiblend® PPS GF23 IM BK 23% Glass Filled

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

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber, 23% Filler by Weight  
Additive: Impact Modifier  
Features: Conductive and Impact Modified  
Appearance: Black  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Statiblend-PPS-GF23-IM-BK-23-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PPS-GF23-IM-BK-23-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	96.5 MPa	14000 psi	ASTM D638
Elongation at Break	3.7 %	3.7 %	ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	11.7 GPa	1700 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 µm/m-°C	11.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	266 °C	510 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	257 °C	495 °F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm - 1e+05	1000 ohm-cm - 1e+05	ASTM D257

Electrical Properties

Metric  $mm - 1e+05$

English  $mm - 1e+05$

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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