

## Techmer ES Statiblend® PPS GF35 SS7 BK 35/7% Glass/Stainless Steel Filled

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% Glass Fiber Filler , Polyphenylene Sulfide (PPS), Stainless Steel Fiber

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass/Stainless Steel Fiber, 35/7% Filler by Weight UL File Number:

E157318 Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Statiblend-PPS-GF35-SS7-BK-357-GlassStainless-Steel-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PPS-GF35-SS7-BK-357-GlassStainless-Steel-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.60 %	0.60 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	124 MPa	18000 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	13.1 GPa	1900 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm	1.40 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

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)	257 °C	495 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	ASTM D257
Surface Resistance	1.00e+7 ohm	1.00e+7 ohm	ASTM D257

## **Contact Songhan Plastic Technology Co.,Ltd.**

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