

## Techmer ES Statiblend® PP TM10 BK

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Talc Filler, 10% Filler by Weight Features: Conductive 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-PP-TM10-BK.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PP-TM10-BK.php)

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 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	0.010 cm/cm @Thickness 3.17 mm	0.010 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.4 MPa	3100 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D790
Izod Impact, Notched	0.240 J/cm @Thickness 3.17 mm	0.450 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 μm/m-°C	40.0 μin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm	100 ohm-cm	ASTM D257
Surface Resistance	1e+05	1e+05	ASTM D257
Static Decay	<= 2.0 sec	<= 2.0 sec	MIL B-81705C

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

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