

## Techmer ES Statiblend® 02020 MB Polypropylene, 5% Glass Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Glass Fiber Filler

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber, 5% Filler by Weight/Unspecified Filler Reinfor Features:

Conductive TPCI# 9117116 Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Statiblend-02020-MB-Polypropylene-5-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-02020-MB-Polypropylene-5-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0080 cm/cm @Thickness 3.17 mm	0.0080 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	4.0 g/10 min @Load 10.0 kg, Temperature 230 °C	4.0 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.4 MPa	3100 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	29.0 MPa	4200 psi	ASTM D790
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm @Thickness 3.17 mm	4.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 °C	200 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 1000 ohm-cm	<= 1000 ohm-cm	ASTM D257
Surface Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	ASTM D257
Static Decay	<= 2.0 sec	<= 2.0 sec	MIL B-81705C

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

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