

## Techmer ES Plastiblend® ABS/PBT GF15

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy + GF , Polyester, TP

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber Reinforcement, 15% Filler by Weight  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-ABSPBT-GF15.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-ABSPBT-GF15.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.12 % @Time 86400 sec	0.12 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	86.2 MPa	12500 psi	ASTM D638
Elongation at Break	3.3 %	3.3 %	ASTM D638
Flexural Strength	128 MPa	18500 psi	ASTM D790
Flexural Modulus	5.24 GPa	760 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.00 J/cm @Thickness 3.17 mm	7.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.8 μm/m-°C	16.0 μin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	205 °C	401 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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