

## Techmer ES Statiblend<sup>®</sup> ABS LE

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Stainless Steel Fiber Filled

**Material Notes:**

Availability: North America Forms: Pellets Filler/Reinforcement: Stainless Steel Fiber Features: Low Extractables and Semi

Conductive Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Statiblend-ABS-LE.php](http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-ABS-LE.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.28 % @Time 86400 sec	0.28 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	50.3 MPa	7300 psi	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	8.96 MPa	1300 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	84.6 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	47.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	96.1 $\text{Å}^\circ\text{C}$	205 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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