

## Techmer ES Elastoblend® PA6/6 GF14 IM HS L 14% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Glass Reinforced, Impact Grade , Nylon 66, Heat Stabilized

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber Reinforcement, 14% Filler by Weight Additive: Heat Stabilizer, Lubricant and Impact Modifier Features: Heat Stabilized, Lubricant and Impact Modified Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Elastoblend-PA66-GF14-IM-HS-L-14-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF14-IM-HS-L-14-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.90 %	0.90 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0016 cm/cm	0.0016 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	84.1 MPa	12200 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.62 GPa	525 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 Å°C	@Thickness 0.125 in, Temperature -40.0 Å°F	
Izod Impact, Unnotched	2.08 J/cm	3.90 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 Å°C	@Thickness 0.125 in, Temperature 73.0 Å°F	
Izod Impact, Unnotched	NB	NB	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 Åµm/m-Å°C	44.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	252 Å°C	485 Å°F	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	220 A °C	420 A °F	Unannealed; ASTM D548
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	19.3 kV/mm	490 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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