

## Techmer ES Elastoblend® PA6/6 GF4 IM L LE

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Impact Modifier Features: Lubricant, Low Extractables and Impact Modified Appearance: Natural Color Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Elastoblend-PA66-GF4-IM-L-LE.php](http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF4-IM-L-LE.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.3 %	1.3 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.012 cm/cm	0.012 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	50.3 MPa	7300 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	79.3 MPa	11500 psi	ASTM D790
Flexural Modulus	1.76 GPa	255 ksi	ASTM D790
Izod Impact, Notched	1.82 J/cm	3.40 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	5.34 J/cm	10.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 µm/m-°C	44.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	420 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C	160 °F	Unannealed; ASTM D648
	HB	HB	

Thermal Properties	Metric @ Thickness 1.50 mm	English @ Thickness 0.0591 in	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	ASTM D257
Dielectric Strength	17.3 kV/mm	440 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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