

## Techmer ES HiFill<sup>®</sup> PA6 GF/M25 HS L BK 25% Glass/Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced , Nylon 6 , Heat Stabilized

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass/Mineral, 25% Filler by Weight  
Additive: Heat Stabilizer and Lubricant  
Features: Heat Stabilized and Lubricated  
Appearance: Black  
TPCI# 7151102  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-PA6-GFM25-HS-L-BK-25-GlassMineral-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-GFM25-HS-L-BK-25-GlassMineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 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	0.0090 cm/cm	0.0090 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	4.14 GPa	600 ksi	ASTM D790
Izod Impact, Notched	0.187 J/cm	0.350 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	0.427 J/cm	0.800 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	30.6 Åµm/m-Å°C	17.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	210 Å°C	410 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	196 Å°C	385 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Dielectric Strength	15.7 kV/mm	400 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China