

**Techmer ES HiFill FR® PA6 GF33 FR HS L BK065 33% Glass Filled (Conditioned)**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled , Nylon 6 , Heat Stabilized

**Material Notes:**

Availability: North America  
 Forms: Pellets  
 Filler/Reinforcement: Glass Fiber Reinforcement, 33% Filler by Weight  
 Additive: Heat Stabilizer and Lubricant  
 Features: Flame Retardant, Heat Stabilized and Lubricated  
 Appearance: Black  
 TPCI# 6536102  
 Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-FR-PA6-GF33-FR-HS-L-BK065-33-Glass-Filled-Conditioned.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PA6-GF33-FR-HS-L-BK065-33-Glass-Filled-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.75 %	0.75 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	125 MPa	18100 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm	2.20 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	10.1 J/cm	19.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

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