

Techmer ES HiFill[®] PA6/6 GF50 L BK 50% Glass Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 50% Filler by Weight
Additive: Lubricant
Features: Lubricated
Appearance: Black
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA66-GF50-L-BK-50-Glass-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.45 % @Time 86400 sec	0.45 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	193 MPa	28000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Izod Impact, Notched	1.76 J/cm @Thickness 3.17 mm	3.30 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	13.9 J/cm @Thickness 3.17 mm	26.0 ft-lb/in @Thickness 0.125 in	ASTM D256

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