

Techmer ES HiFill[®] PA6 LE BK (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Nucleated

Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant and Nucleating Agent Features: Lubricated, Fast Molding Cycle, Good Processability, Low Extractables and Nucleated Appearance: Black TPCI# 7964102 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA6-LE-BK-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	2.8 % @Time 86400 sec	2.8 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.011 cm/cm @Thickness 3.17 mm	0.011 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	49.0 MPa	7100 psi	ASTM D638
Elongation at Break	85 %	85 %	ASTM D638
Flexural Strength	46.2 MPa	6700 psi	ASTM D790
Flexural Modulus	1.10 GPa	160 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

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