

Techmer ES Plastiblend® PA6 GF20 RM L BK Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Availability: North America
 Forms: Pellets
 Filler/Reinforcement: Glass Fiber Reinforcement, 20% Filler by Weight
 Additive: Lubricant
 Features: Low Moisture Absorption and Lubricated
 Black
 TPCI# 9718102
 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PA6-GF20-RM-L-BK-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm @Thickness 3.17 mm	0.0040 - 0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	138 MPa	20000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	221 MPa	32000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.23 J/cm @Thickness 3.17 mm	2.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	37.8 Åm/m-Å°C	21.0 Åin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	191 Å°C	375 Å°F	Unannealed; ASTM D648

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