

Techmer ES Plastiblend® PA6/6,6 GF50 HS L 50% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 40% Glass Fiber Reinforced

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 50% Filler by Weight
Additive: Heat Stabilizer and Lubricant
Features: Heat Stabilized, Copolymer and Lubricated
Processing Method: Injection Molding
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PA666-GF50-HS-L-50-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	228 MPa	33000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	331 MPa	48000 psi	ASTM D790
Flexural Modulus	14.5 GPa	2100 ksi	ASTM D790
Izod Impact, Notched	1.76 J/cm	3.30 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	14.4 Åµm/m-Å°C	8.00 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	257 Å°C	495 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	241 Å°C	465 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	18.5 kV/mm	470 kV/in	Method A (Short-Time); ASTM D149

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