

Techmer ES Elastoblend® PA6 GF34 IM HS 34% Glass Filled

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

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber Reinforcement, 34% Filler by Weight
Additive: Heat Stabilizer, Impact Modifier and Lubricant
Features: Heat Stabilized, Impact Modified and Lubricated
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA6-GF34-IM-HS-34-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Water Absorption	1.5 % @Time 86400 sec	1.5 % @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
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	234 MPa	34000 psi	ASTM D790
Flexural Modulus	0.862 GPa	125 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm @Thickness 3.17 mm, Temperature -40.0 Â°C	2.20 ft-lb/in @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
	2.35 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	4.40 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256
Izod Impact, Unnotched	13.9 J/cm @Thickness 3.17 mm	26.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	36.0 Âµm/m-Â°C	20.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	Unannealed; ASTM D648

Flammability 18 94 Thermal Properties	HB Metric	HB English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Dielectric Strength	15.4 kV/mm	390 kV/in	Method A (Short-Time); ASTM D149

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