

Techmer ES Elastoblend® PA6/6 GF13 IM2 BK 13% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Glass Reinforced, Impact Grade , Nylon 66, Heat Stabilized

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber Reinforcement, 13% Filler by Weight Additive: Heat Stabilizer, Lubricant and Impact Modifier Features: Heat Stabilized, Lubricant and Impact Modified Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Elastoblend-PA66-GF13-IM2-BK-13-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Water Absorption	1.1 % @Time 86400 sec	1.1 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Yield	91.0 MPa	13200 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm, Temperature -40.0 Â°C	2.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
	1.60 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	3.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 Âµm/m-Â°C	30.0 Âµin/in-Â°F	ASTM D696

Melting Point Thermal Properties	254 Â°C Metric	490 Â°F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	249 Â°C	480 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	221 Â°C	430 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	19.3 kV/mm	490 kV/in	Method A (Short-Time); ASTM D149

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