

Techmer ES Statiblend® PA6 GF30 AS BK 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber, 30% Filler by WeightAdditive: AntistaticFeatures:

AntistaticAppearance: BlackInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Statiblend-PA6-GF30-AS-BK-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ASTM D792
Water Absorption	1.3 %	1.3 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	148 MPa	21500 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	1.55 J/cm	2.90 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	16.2 Åµm/m-Å°C	9.00 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	210 Å°C	410 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 Å°C	400 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+9 - 1.00e+11 ohm-cm	1.00e+9 - 1.00e+11 ohm-cm	ASTM D257

Dielectric Strength Electrical Properties	16.1 kV/mm Metric	410 kV/in English	Method A (Short-Time); ASTM D149 Comments
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