

PolyOne Edgetek® PS-30GF/000 Polybutylene Terephthalate (PBT), Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Description/Features: Glass Fiber Reinforced PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PS-30GF000-Polybutylene-Terephthalate-PBT-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hr. Immersion, -; ASTM D570
	0.45 %	0.45 %	Long-Term Immersion, -; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	134 MPa	19500 psi	Type 1 - Rigids, Break, 0.2 in/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	13.1 GPa	1900 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Compressive Strength	152 MPa	22000 psi	ASTM D695
Izod Impact, Notched	0.747 J/cm	1.40 ft-lb/in	Method A, Injection Molded; ASTM D256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	221 °C	430 °F	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	420 °F	Annealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 266 °C	480 - 510 °F	Molding

Processing Properties	Metric	English	Comments
Drying Temperature	107 °C	225 °F	4 hrs

Descriptive Properties	Value	Comments
Product Form	Pellets	

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