

## PolyOne Edgetek® PS-40GF/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-40GF000-Polybutylene-Terephthalate-PBT-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PS-40GF000-Polybutylene-Terephthalate-PBT-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.64 g/cc	1.64 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0015 - 0.0020 cm/cm	0.0015 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	145 MPa	21000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	13.8 GPa	2000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	13.8 GPa	2000 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	3.00 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	221 °C	430 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	400 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 260 °C	450 - 500 °F	Molding
Mold Temperature	93.3 - 121 °C	200 - 250 °F	
Drying Temperature	93.3 °C	200 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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