

## PolyOne Edgetek® PS-20GF/000 FR Polybutylene Terephthalate (PBT), Glass Filled (discontinued \*\*)

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

### Material Notes:

Description/Features: Glass Fiber Reinforced Ignition Resistant UL 94 V0 PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-PS-20GF000-FR-Polybutylene-Terephthalate-PBT-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PS-20GF000-FR-Polybutylene-Terephthalate-PBT-Glass-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792
Water Absorption	0.070 %	0.070 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	103 MPa	15000 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	6.89 GPa	1000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.60 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 µm/m-°C @Temperature 20.0 °C	20.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	420 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	193 °C	380 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	227 - 249 °C	440 - 480 °F	Molding
Mold Temperature	>= 93.3 °C	>= 200 °F	
Drying Temperature	107 °C	225 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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