

## PolyOne Edgetek® PS-30CF/000 Polybutylene Terephthalate (PBT), Carbon Fiber Reinforced (discontinued \*\*)

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

### Material Notes:

Description/Features: Carbon 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-30CF000-Polybutylene-Terephthalate-PBT-Carbon-Fiber-Reinforced-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-PS-30CF000-Polybutylene-Terephthalate-PBT-Carbon-Fiber-Reinforced-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.426 g/cc	1.426 g/cc	ASTM D792
Water Absorption	0.020 %	0.020 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0015 cm/cm	0.0010 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	152 MPa	22000 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	20.7 GPa	3000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	20.7 GPa	3000 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	3.50 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.0 - 100 ohm-cm	1.0 - 100 ohm-cm	ASTM D257
Surface Resistivity per Square	1.0 - 100 ohm	1.0 - 100 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 277 °C	470 - 530 °F	Molding
Mold Temperature	82.2 - 110 °C	180 - 230 °F	
Drying Temperature	82.2 - 110 °C	180 - 230 °F	

Dry Time Processing Properties	2 hour Metric	2 hour English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

## Contact Songhan Plastic Technology Co.,Ltd.

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