

## Oxford Polymers PBT 30GF PBT, 30% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

Product Description: Glass Fiber (30% Reinforced), PBT injection molding grade Processing and Delivery Form: Pellets and Injection

MoldingAdditives: Release Agents and LubricantsSpecial Characteristics: Colors AvailableInformation provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-PBT-30GF-PBT-30-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-PBT-30GF-PBT-30-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.0600 %	0.0600 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00300 cm/cm	0.00300 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	131 MPa	19000 psi	ASTM D638
Elongation at Break	3.00 %	3.00 %	ASTM D638
Flexural Strength	183 MPa	26500 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	1.01 J/cm @Thickness 3.17 mm	1.90 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	243 °C	470 °F	
Middle Barrel Temperature	249 °C	480 °F	
Front Barrel Temperature	254 °C	490 °F	
Nozzle Temperature	249 °C	480 °F	
Melt Temperature	254 °C	490 °F	
Mold Temperature	62.8 °C	145 °F	
Drying Temperature	121 °C	250 °F	

Processing Properties	Metric 2.0 hour	English 2.0 hour	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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