

Global 508 30% Glass Filled PBT Gray

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

Material Notes:

Information provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-508-30-Glass-Filled-PBT-Gray.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	110 MPa	16000 psi	ASTM D638
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	12.8 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	ASTM E831
Deflection Temperature at 0.46 MPa (66 psi)	215 $\text{Å}^\circ\text{C}$	419 $\text{Å}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	176 $\text{Å}^\circ\text{C}$	349 $\text{Å}^\circ\text{F}$	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	257 $\text{Å}^\circ\text{C}$	495 $\text{Å}^\circ\text{F}$	
Mold Temperature	76.0 $\text{Å}^\circ\text{C}$	169 $\text{Å}^\circ\text{F}$	
Drying Temperature	121 $\text{Å}^\circ\text{C}$	250 $\text{Å}^\circ\text{F}$	

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