

PTS 15GFR-BK PBT- Flame Retardant, 15% Glass Filled PBT Black Resin

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

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-15GFR-BK-PBT-Flame-Retardant-15-Glass-Filled-PBT-Black-Resin.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.1 MPa @Thickness 3.17 mm	13800 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	2.5 % @Thickness 3.17 mm	2.5 % @Thickness 0.125 in	ASTM D638
Flexural Strength	148 MPa @Thickness 3.17 mm	21500 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	5.17 GPa @Thickness 3.17 mm	750 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	182 °C	360 °F	ASTM D648
UL RTI, Electrical	75.0 °C	167 °F	
UL RTI, Mechanical with Impact	75.0 °C	167 °F	
UL RTI, Mechanical without Impact	75.0 °C	167 °F	
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

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