

PolyOne Bergadur™ PB400 G15 H UF UV Polybutylene Terephthalate (PBT)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Bergadur-PB400-G15-H-UF-UV-Polybutylene-Terephthalate-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 - 0.0090 cm/cm	0.0040 - 0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	78.5 MPa @Temperature 23.0 °C	11400 psi @Temperature 73.4 °F	ISO 527-2/5
Flexural Strength	156 MPa	22600 psi	ISO 178
Flexural Modulus	6.60 GPa	957 ksi	ISO 178
Charpy Impact, Notched	0.640 J/cm ² @Temperature 23.0 °C	3.05 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	198 °C	388 °F	Unannealed; ISO 75-2/A
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	UL 94

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	
Drying Temperature	110 - 120 °C	230 - 248 °F	
Dry Time			

Processing Properties	4.00 - 6.00 hour Metric	4.00 - 6.00 hour English	Comments
Descriptive Properties	Value		Comments
Additive	UV Stabilizer		
Appearance	Natural Color		
Features	Flame Retardant		
	Halogen Free		
Filler / Reinforcement	Glass Fiber Reinforcement, 15% Filler by Weight		
Forms	Pellets		
Generic Material	PBT		
Generic Name	Polybutylene Terephthalate (PBT)		
Regional Availability	Asia Pacific		

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