

PolyOne Bergadur™ PB400 G30 H UF UV Polybutylene Terephthalate (PBT)

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

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Bergadur-PB400-G30-H-UF-UV-Polybutylene-Terephthalate-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa @Temperature 23.0 °C	12300 psi @Temperature 73.4 °F	ISO 527-2/5
Elongation at Break	1.6 % @Temperature 23.0 °C	1.6 % @Temperature 73.4 °F	ISO 527-2
Tensile Modulus	9.00 GPa @Temperature 23.0 °C	1310 ksi @Temperature 73.4 °F	ISO 527-2
Charpy Impact Unnotched	3.40 J/cm ² @Temperature 23.0 °C	16.2 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	UL 94
Glow Wire Test	960 °C	1760 °F	Flammability Index; IEC 60695-2-12

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 270 °C	446 - 518 °F	
Mold Temperature	65.0 - 95.0 °C	149 - 203 °F	
Drying Temperature	110 - 130 °C	230 - 266 °F	
Dry Time	4.00 - 6.00 hour	4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Features	Flame Retardant	
	Halogen Free	
Filler / Reinforcement	Glass Fiber Reinforcement, 30% Filler by Weight	
Forms	Pellets	
Generic Material	PBT	
Generic Name	Polybutylene Terephthalate (PBT)	
Regional Availability	Europe	

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