

PolyOne Bergadur™ PB400 G30 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-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	75.0 - 100 MPa @Temperature 23.0 °C	10900 - 14500 psi @Temperature 73.4 °F	ISO 527-2/5
Flexural Strength	130 - 170 MPa	18900 - 24700 psi	ISO 178
Flexural Modulus	0.00800 - 0.0100 GPa	1.16 - 1.45 ksi	ISO 178
Charpy Impact, Notched	0.500 - 0.750 J/cm² @Temperature 23.0 °C	2.38 - 3.57 ft-lb/in² @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
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 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 - 270 °C	446 - 518 °F	
Mold Temperature	65.0 - 95.0 °C	149 - 203 °F	

Processing Properties	Metric	English	Comments
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	Asia Pacific	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China