

PolyOne Bergadur™ PB40 G15 U S01 BK 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-PB40-G15-U-S01-BK-Polybutylene-Terephthalate-PBT.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc @Temperature 23.0 °C	0.0556 lb/in ³ @Temperature 73.4 °F	±0.03 g/cm ³ ; DIN 53479
Melt Index of Compound	18 g/10 min @Load 1.60 kg, Temperature 250 °C	18 g/10 min @Load 3.53 lb, Temperature 482 °F	cm ³ /10min; ISO 1133
Ash	>= 15 %	>= 15 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	97.0 MPa @Thickness 4.00 mm, Temperature 23.0 °C	14100 psi @Thickness 0.157 in, Temperature 73.4 °F	ISO 527-2/5
Elongation at Break	>= 2.0 % @Thickness 4.00 mm, Temperature 23.0 °C	>= 2.0 % @Thickness 0.157 in, Temperature 73.4 °F	ISO 527-2/5
Tensile Modulus	7.20 GPa @Thickness 4.00 mm, Temperature 23.0 °C	1040 ksi @Thickness 0.157 in, Temperature 73.4 °F	ISO 527-2/1
Charpy Impact Unnotched	3.20 J/cm ² @Temperature 23.0 °C	15.2 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.360 J/cm ² @Temperature 23.0 °C	1.71 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	ISO 3146
Maximum Service Temperature, Air	135 °C	275 °F	Continuous (GTP 50% Tensile); IEC 60216
	170 °C	338 °F	Short Time; IEC 60216

Thermal Properties <small>Deflection Temperature at 0.46 MPa (0.07 MPa)</small>	215 °C Metric	419 °F English	Unannealed; ISO 75-2/B Comments
Flammability, UL94	V-0 @Thickness 1.60 - 3.00 mm	V-0 @Thickness 0.0630 - 0.118 in	Internal Method
Glow Wire Test	960 °C @Thickness 0.800 - 3.00 mm	1760 °F @Thickness 0.0315 - 0.118 in	Flammability Index; IEC 60695-2-12

Descriptive Properties	Value	Comments
Features	Flame Retardant	
	Good Impact Resistance	
	Halogenated	
	Low (to None) Phosphorus Content	
Filler / Reinforcement	Glass Fiber Reinforcement, 15% Filler by Weight	
Forms	Pellets	
Generic Material	PBT	
Generic Name	Polybutylene Terephthalate (PBT)	
Regional Availability	Africa & Middle East	
	Europe	
RoHS Compliance	RoHS Compliant	

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