

BLUESTAR 101G20 PBT, 20% Glass Filled

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

Material Notes:

Typical Applications: Appliances, molded parts
Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-101G20-PBT-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.12 %	0.12 %	50% RH; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 250 °C	18 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	ASTM D638
Tensile Modulus	7.10 GPa	1030 ksi	ASTM D638
Flexural Strength	165 MPa	23900 psi	ASTM D790
Flexural Modulus	6.85 GPa	994 ksi	ASTM D790
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	43.0 kJ/m ²	20.5 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ASTM D648
Flammability, UL94	HB @Thickness 0.380 mm	HB @Thickness 0.0150 in	
	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	
	HB	HB	

Thermal Properties	Metric @ Thickness 1.60 mm	English @ Thickness 0.0630 in	Comments
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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