

BLUESTAR 201-G20202 PBT, 20% Glass Filled

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

Material Notes:Typical Applications: Energy saving lighting, E/E applications
Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-201-G20202-PBT-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.18 %	0.18 %	50% RH; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ASTM D955
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 250 °C	24 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	106 MPa	15400 psi	ASTM D638
Tensile Modulus	9.30 GPa	1350 ksi	ASTM D638
Flexural Strength	160 MPa	23200 psi	ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	ASTM D790
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	212 °C	414 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	203 °C	397 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	
	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.20e+16 ohm-cm	1.20e+16 ohm-cm	ASTM D257
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149

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