

## BLUESTAR 101G30 PBT, 30% Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% 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-101G30-PBT-30-Glass-Filled.php](http://www.lookpolymers.com/polymer_BLUESTAR-101G30-PBT-30-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.20 %	0.20 %	50% RH; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ASTM D955
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 250 °C	30 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	ASTM D638
Tensile Modulus	8.70 GPa	1260 ksi	ASTM D638
Flexural Strength	180 MPa	26100 psi	ASTM D790
Flexural Modulus	8.03 GPa	1160 ksi	ASTM D790
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ASTM D256
Izod Impact, Unnotched (ISO)	62.0 kJ/m <sup>2</sup>	29.5 ft-lb/in <sup>2</sup>	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	208 °C	406 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 0.380 mm	@Thickness 0.0150 in	
	HB	HB	
	@Thickness 0.800 mm	@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	

## Contact Songhan Plastic Technology Co.,Ltd.

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