

BLUESTAR PBT 6630 30% Glass Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

PBT6630 is an injection molding grade, with 30% glass fiber reinforced, high heat stability, and electrical properties, easy to process. It is widely used in automotive, home appliance, E/E industry, such as connector, gear housing, and other structural parts. Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-PBT-6630-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ISO 1183
Melt Flow	13 g/10 min	13 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 250 °C	@Load 4.76 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	123 MPa	17800 psi	ISO 527-2/1
Elongation at Break	3.1 %	3.1 %	ISO 527-2/1
Tensile Modulus	9.01 GPa	1310 ksi	ISO 527-2/1A
Flexural Strength	189 MPa	27400 psi	ISO 178
Flexural Modulus	9.25 GPa	1340 ksi	ISO 178
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	202 °C	396 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Nozzle Temperature	240 - 260 °C	464 - 500 °F	
Melt Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	120 - 140 °C	248 - 284 °F	

Processing Properties	Metricur	Englishur	Comments
Back Pressure	0.300 - 0.700 MPa	43.5 - 102 psi	

Descriptive Properties	Value	Comments
Processing Screw Speed	Medium-Fast	

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