

PTS PBT-101G0 PBT Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

Typical Applications: Appliance parts
Information provided by PTS LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PBT-101G0-PBT-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.10 %	0.10 %	50% RH; ASTM D570
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D955
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 250 °C	26 g/10 min @Load 4.76 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Tensile Modulus	2.60 GPa	377 ksi	ASTM D638
Flexural Strength	80.0 MPa	11600 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM D790
Izod Impact, Notched (ISO)	5.40 kJ/m ²	2.57 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	80.0 kJ/m ²	38.1 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 °C	293 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	
	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	HB	HB	
	@Thickness 0.380 mm	@Thickness 0.0150 in	

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