

Eurotec® Tecodur® PB70 BR20 NL100 HS PBT, 20% glass fiber reinforced, heat stabilized, natural

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

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecodur-PB70-BR20-NL100-HS-PBT-20-glass-fiber-reinforced-heat-stabilized-natural.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183
Moisture Absorption	0.200 % @Temperature 23.0 °C	0.200 % @Temperature 73.4 °F	50% RH; ISO 960
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	7.00 GPa	1020 ksi	ISO 527
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1A
	8.00 kJ/m ² @Temperature 23.0 °C	3.81 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m ² @Temperature -30.0 °C	23.8 ft-lb/in ² @Temperature -22.0 °F	ISO 180/1U
	55.0 kJ/m ² @Temperature 23.0 °C	26.2 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1U

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	[10 K/min], ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75

Thermal Properties	Metric	English	Comments
Vicat Softening Point	210 °C @Load 5.10 kg	410 °F @Load 11.2 lb	ISO 306
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	250 - 270 °C	482 - 518 °F	
Feed Temperature	50.0 - 70.0 °C	122 - 158 °F	Throat
Mold Temperature	60.0 - 100 °C	140 - 212 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.080 %	<= 0.080 %	ISO 960
Hold Pressure	40.0 - 80.0 MPa	5800 - 11600 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Fast	

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