

## Eurotec® Tecodur® PB70 GR40 NL100 PBT, 40% glass fiber reinforced, natural

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 40% Glass Fiber Filled

### Material Notes:

Information provided by Eurotec®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurotec-Tecodur-PB70-GR40-NL100-PBT-40-glass-fiber-reinforced-natural.php](http://www.lookpolymers.com/polymer_Eurotec-Tecodur-PB70-GR40-NL100-PBT-40-glass-fiber-reinforced-natural.php)

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.100 % @Temperature 23.0 °C	0.100 % @Temperature 73.4 °F	50% RH; ISO 960

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	14.0 GPa	2030 ksi	ISO 527
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	11.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A

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
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °F	ISO 75
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

Electrical Properties	Metric	English	Comments
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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.

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