

## Ter Hell Plastic Terez® PBT 7100 GF 30 Polybutylene Terephthalate, 30% Glass Fiber

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

### Material Notes:

Description: PBT, 30% glass fiber reinforced. Application: Suitable for injection molding applications. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ter-Hell-Plastic-Terez-PBT-7100-GF-30-Polybutylene-Terephthalate-30-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PBT-7100-GF-30-Polybutylene-Terephthalate-30-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ISO 1183
Water Absorption	0.30 %	0.30 %	ISO 62
Moisture Absorption at Equilibrium	0.15 %	0.15 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	dry; ISO 527
Elongation at Break	2.0 %	2.0 %	dry; ISO 527
Tensile Modulus	8.40 GPa	1220 ksi	dry; ISO 527
Charpy Impact Unnotched	3.80 J/cm <sup>2</sup>	18.1 ft-lb/in <sup>2</sup>	dry; ISO 179
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 660243-1
Comparative Tracking Index	450 V	450 V	IEC 60112

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	240 - 270 °C	464 - 518 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	3 - 6 hour	3 - 6 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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