

## Ter Hell Plastic Terez® PBT 6750 T Polybutylene Terephthalate, Impact Modified

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

### Material Notes:

Description: Impact modified PBT. Application: For impact stressed, injection molding parts. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ter-Hell-Plastic-Terez-PBT-6750-T-Polybutylene-Terephthalate-Impact-Modified.php](http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PBT-6750-T-Polybutylene-Terephthalate-Impact-Modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ISO 1183
Water Absorption	0.35 %	0.35 %	ISO 62
Moisture Absorption at Equilibrium	0.14 %	0.14 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength	60.0 MPa	8700 psi	dry; ISO 527
Tensile Strength, Yield	42.0 MPa	6090 psi	dry; ISO 527
Elongation at Break	15 %	15 %	dry; ISO 527
Elongation at Yield	5.0 %	5.0 %	dry; ISO 527
Tensile Modulus	2.10 GPa	305 ksi	dry; ISO 527
Charpy Impact Unnotched	NB	NB	dry; ISO 179
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	165 °C	329 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °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

Comparative Tracking Index Electrical Properties	450 V Metric	450 V English	IEC 60112 Comments
Processing Properties	Metric	English	Comments
Processing Temperature	230 - 270 °C	446 - 518 °F	
Drying Temperature	100 °C	212 °F	
Dry Time	6 hour	6 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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