

## Ter Hell Plastic Terez® PA 6 7450 T GK 30 Polyamide 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled

### Material Notes:

Description: Polyamide 6 medium viscosity, heat impact resistant and 30% glass bead reinforced. Application: For low warpage molding parts with balanced shrinkage characteristics. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ter-Hell-Plastic-Terez-PA-6-7450-T-GK-30-Polyamide-6-30-Glass-Fiber.php](http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PA-6-7450-T-GK-30-Polyamide-6-30-Glass-Fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ISO 1183
Water Absorption	5.7 %	5.7 %	ISO 62
Moisture Absorption at Equilibrium	1.8 %	1.8 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength	55.0 MPa	7980 psi	dry; ISO 527
Tensile Strength, Yield	60.0 MPa	8700 psi	dry; ISO 527
Elongation at Break	20 %	20 %	dry; ISO 527
Tensile Modulus	2.90 GPa	421 ksi	dry; ISO 527
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	dry; ISO 179
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	175 °C	347 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ISO 75
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Processing Temperature	240 - 270 °C	464 - 518 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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