

## Ter Hell Plastic Terez® PA 6 7750 TK Polyamide 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Nucleated

### Material Notes:

Description: Medium viscosity, high impact modified standard grade PA 6, with crystallization accelerator and good flowability. Application: For molding parts with high impact stress. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ter-Hell-Plastic-Terez-PA-6-7750-TK-Polyamide-6.php](http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PA-6-7750-TK-Polyamide-6.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ISO 1183
Water Absorption	8.0 %	8.0 %	ISO 62
Moisture Absorption at Equilibrium	2.1 %	2.1 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength	65.0 MPa	9430 psi	dry; ISO 527
Tensile Strength, Yield	70.0 MPa	10200 psi	dry; ISO 527
Elongation at Break	20 %	20 %	dry; ISO 527
Elongation at Yield	2.5 %	2.5 %	dry; ISO 527
Tensile Modulus	2.90 GPa	421 ksi	dry; ISO 527
Charpy Impact Unnotched	NB	NB	dry; ISO 179
Charpy Impact, Notched	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75
Vicat Softening Point	196 °C	385 °F	B 120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	IEC 60112

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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