

Ter Hell Plastic Terez® PA 6 7751 TGF 15 GL Polyamide 6, 15% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled

Material Notes:

Description: Medium viscosity, dry impact resistant PA 6, 15% glass fiber reinforced and improved surface gloss. Application: For molding parts with good stiffness and high dimensional stability. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PA-6-7751-TGF-15-GL-Polyamide-6-15-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ISO 1183
Water Absorption	7.0 %	7.0 %	ISO 62
Moisture Absorption at Equilibrium	2.0 %	2.0 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	dry; ISO 527
Tensile Strength	90.0 MPa	13100 psi	dry; ISO 527
Tensile Strength, Yield	91.0 MPa	13200 psi	dry; ISO 527
Elongation at Break	4.0 %	4.0 %	dry; ISO 527
Tensile Modulus	5.40 GPa	783 ksi	dry; ISO 527
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	dry; ISO 179
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ISO 75
Vicat Softening Point	196 °C	385 °F	B/50; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 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	

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