

Ter Hell Plastic Terez® PA 6 7500 TF 20 GF 20 Polyamide 6, 20% PTFE chemically bonded 20% glass fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, PTFE Filled

Material Notes:

Description: Medium viscosity PA 6, 20% PTFE chemically bonded and 20% glass fiber reinforced, good flowability, good impact resistance and bright natural color. Application: For molding parts with increased stiffness and side loading. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PA-6-7500-TF-20-GF-20-Polyamide-6-20-PTFE-chemically-bonded-20-glass-fiber-reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ISO 1183
Water Absorption	5.7 %	5.7 %	ISO 62
Moisture Absorption at Equilibrium	1.5 %	1.5 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	138 MPa	20000 psi	dry; ISO 527
Tensile Strength	140 MPa	20300 psi	dry; ISO 527
Tensile Strength, Yield	145 MPa	21000 psi	dry; ISO 527
Elongation at Break	3.0 %	3.0 %	dry; ISO 527
Elongation at Yield	2.0 %	2.0 %	dry; ISO 527
Tensile Modulus	6.80 GPa	986 ksi	dry; ISO 527
Charpy Impact Unnotched	8.00 J/cm ²	38.1 ft-lb/in ²	dry; ISO 179
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75
Vicat Softening Point	215 °C	419 °F	B/50; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Processing Temperature	240 - 270 °C	464 - 518 °F	
Drying Temperature	90.0 °C	194 °F	
Dry Time	5 - 6 hour	5 - 6 hour	

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