

Ter Hell Plastic Terez® PA/PP 7500 GF 7/1 Polyamide/Polypropylene

Category : Polymer , Thermoplastic , Nylon , Polypropylene (PP)

Material Notes:

Medium viscosity special compound with increased rigidity and low moisture absorption. Application: For molding parts with high mechanical requirements at low moisture absorption. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PAPP-7500-GF-71-PolyamidePolypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 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 at Break	65.0 MPa	9430 psi	dry; ISO 527
Tensile Strength	70.0 MPa	10200 psi	dry; ISO 527
Tensile Strength, Yield	75.0 MPa	10900 psi	dry; ISO 527
Elongation at Break	5.0 %	5.0 %	dry; ISO 527
Elongation at Yield	3.0 %	3.0 %	dry; ISO 527
Tensile Modulus	3.90 GPa	566 ksi	dry; ISO 527
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	dry; ISO 179
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	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)	145 °C	293 °F	ISO 75
Vicat Softening Point	160 °C	320 °F	B 120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments

Processing Temperature Processing Properties	230 - 270 °C Metric	446 - 518 °F English	Comments
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	

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