

Ter Hell Plastic Terez® 3610/4 PA/ABS Blend

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Impact resistant blend with reduced moisture absorption and good flowability. Application: For molding parts with increased demand of impact strength and cold impact strength. For injection molding. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-36104-PAABS-Blend.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ISO 1183
Water Absorption	5.0 %	5.0 %	ISO 62
Moisture Absorption at Equilibrium	1.6 %	1.6 %	ISO 62
Melt Flow	30 g/10 min @Load 5.00 kg, Temperature 260 °C	30 g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength	58.0 MPa	8410 psi	dry; ISO 527
Elongation at Break	60 %	60 %	dry; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	dry; ISO 527
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	dry; ISO 179
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	dry; ISO 179
Charpy Impact, Notched	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	dry; ISO 179
	3.00 J/cm ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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

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