

TEREZ PPA 7500 GF 30 HY

Polyphthalamide
TER HELL PLASTIC GMBH

Message:

Medium viscosity partially aromatic polyamide with 30% glass fibre reinforcement as well as heat and hydrolysis stabilisation.
For all kinds of parts with high stiffness and excellent thermal stability and low moisture absorption.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Additive	Heat Stabilizer Hydrolysis Resistant
Features	Aromatic Good Thermal Stability Heat Stabilized High Stiffness Hydrolysis Resistant Low Moisture Absorption Medium Viscosity

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	4.5	%	
Equilibrium, 23°C, 50% RH	0.80	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ISO 527-2
Tensile Stress (Break)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	°C	ISO 75-2/A
Melting Temperature ¹	295	°C	ISO 11357-3

Flammability	Nominal Value	Test Method
Flammability Classification (1.60 mm)	HB	IEC 60695-11-10, -20

NOTE	
1.	10°C/min

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