

TEREZ PPA HT 7500 GF 55 HY

Polyphthalamide
TER HELL PLASTIC GMBH

Message:
Partly aromatic Polyamid with 55% glas fiber and heat and hydrolysis stabilizer
For all kind of injection molding parts with high stiffness and excellent thermostability

General Information			
Filler / Reinforcement	Glass Fiber,55% Filler by Weight		
Additive	Heat Stabilizer Hydrolysis Resistant		
Features	Good Thermal Stability Heat Stabilized High Stiffness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	3.5	%	
Equilibrium, 23°C, 50% RH	1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18000	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	275	°C	ISO 75-2/B
1.8 MPa, Unannealed	260	°C	ISO 75-2/A
Melting Temperature ¹	315	°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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