


TEREZ PA 6.6 HT 8500 GF 50 HY

PA66

Ter Plastics

Product Texts

PA66 with partially aromatic content, 50 % glass fibre reinforcement as well as heat and hydrolysis stabilisation.
For injection moulding parts with high stiffness, good heat resistance and low water absorption.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	17000	MPa	ISO 527-1/-2
Tensile Strength	244	MPa	ISO 527-1/-2
Yield stress	250	MPa	ISO 527-1/-2
Yield strain	1.5	%	ISO 527-1/-2
Stress at break	235	MPa	ISO 527-1/-2
Strain at break	2.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	88	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	245	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	265	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Other properties			
ISO Data			
Water absorption	1.5	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1580	kg/m ³	ISO 1183