TEREZ® HT 100 H G50

PA6T/6I-GF50 Ter Plastics

Product Texts

Standard type with medium viscosity partly aromatic Polyamid with 50% glass fiber content and heat stabilized.
For all kind of injection mlouding parts with high stiffness at exellent thermal stability and low moisture absorption.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**19000 / 18500**	MPa	ISO 527
Stress at break	**260 / 250**	MPa	ISO 527
Strain at break	**2 / 2**	%	ISO 527
Charpy impact strength, +23°C	**90 / 90**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**14 / 15**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**330 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**285 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**295 / ***	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**15 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**40 / ***	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Electric strength	**30 / -**	kV/mm	IEC 60243-1
Comparative tracking index	**550 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	**3 / ***	%	Sim. to ISO 62
Humidity absorption	**1.3 / ***	%	Sim. to ISO 62
Density	**1640 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 12**	h	-
Melt temperature	**330 - 350**	°C	-

Characteristics

Processing
Injection Molding

Features
Thermal Stability

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
Europe

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