TEREZ® B 400 H G30

PA6-GF30 Ter Plastics

Product Texts

Medium viscosity polyamide 6 with 30% glass fiber reinforcement and heat stabilisation.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**10000 / 7000**	MPa	ISO 527
Stress at break	**170 / 95**	MPa	ISO 527
Strain at break	**3 / 5**	%	ISO 527
Flexural modulus, 23°C	**8500 / -**	MPa	ISO 178
Flexural strength	**220 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**70 / 85**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12 / 20**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**205 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**215 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	**6.3 / ***	%	Sim. to ISO 62
Humidity absorption	**2.1 / ***	%	Sim. to ISO 62
Density	**1360 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**4 - 8**	h	-
Processing humidity	**≤0.1**	%	-
Mold temperature	**40 - 80**	°C	-
Feed temperature	**60 - 80**	°C	-
Zone 1	**240 - 260**	°C	-
Nozzle temperature	**250 - 270**	°C	-
Maximum residence time	**10**	min	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Delivery form
Pellets

Regional Availability
Europe

Special Characteristics
Heat stabilized or stable to heat

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