TEREZ® PA 6.6 7750 T GF 30

PA66-GF30 Ter Plastics

Product Texts

Dry impact resistant Polyamide 6.6, 30% glass fibre reinforced.
For all kind of moulded parts, with high impact properties and stiffness.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**8100 / 6200**	MPa	ISO 527
Stress at break	**140 / 100**	MPa	ISO 527
Strain at break	**3 / 6**	%	ISO 527
Charpy impact strength, +23°C	**60 / 70**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12 / 17**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**230 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**240 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-
Glow Wire Flammability Index (GWFI)	**650**	°C	IEC 60695-2-12
GWFI - thickness tested (1)	**1**	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1E14 / -**	Ohm*m	IEC 62631-3-1
Comparative tracking index	**550 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	**5.4 / ***	%	Sim. to ISO 62
Humidity absorption	**1.5 / ***	%	Sim. to ISO 62
Density	**1320 / -**	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	**260 - 290**	°C	-
Nozzle temperature	**270 - 300**	°C	-
Maximum residence time	**8**	min	-

Characteristics

Processing
Injection Molding

Special Characteristics
High impact or impact modified

Delivery form
Pellets

Regional Availability
Europe