TEREZ® GT3 301 H G50 W

(PA66+PA6I/6T)-GF50 Ter Plastics

Product Texts

PA66 blend with partially aromatic content, 50% glass fibre reinforcement and heat Stabilisation.
For all kind of injection moulding parts with high requirements to stiffness.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**17500 / 16500**	MPa	ISO 527
Stress at break	**245 / 220**	MPa	ISO 527
Strain at break	**3 / 3**	%	ISO 527
Charpy impact strength, +23°C	**N / N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**17 / 17**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**245 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**255 / ***	°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	**4 / ***	%	Sim. to ISO 62
Humidity absorption	**1.4 / ***	%	Sim. to ISO 62
Density	**1570 / -**	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	**80 - 120**	°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
Heat stabilized or stable to heat

Delivery form
Pellets

Regional Availability
Europe