TEREZ® AE 300 H G35

PA66-GF35 Ter Plastics

Product Texts

Medium viscosity polyamide 6.6 eco grade with 35% glass fiber reinforcement and heat stabilisation. High sustainability due to recycled raw materials.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**9400 / 6800**	MPa	ISO 527
Stress at break	**165 / 110**	MPa	ISO 527
Strain at break	**3.5 / -**	%	ISO 527
Flexural modulus, 23°C	**8000 / -**	MPa	ISO 178
Flexural strength	**255 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**60 / 75**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**50 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**10 / 14**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**9 / -**	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	**225 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**245 / ***	°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	**4.7 / ***	%	Sim. to ISO 62
Humidity absorption	**1.4 / ***	%	Sim. to ISO 62
Density	**1410 / -**	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

Certifications
Recycled Resin Content

Delivery form
Pellets

Regional Availability
Europe

Special Characteristics
Heat stabilized or stable to heat