TEREZ® B 301 SI4

PA6 Ter Plastics

Product Texts

Polyamide 6 with medium viscosity and high impact resistance at cold temperatures.
For injection molded parts with high impact resistance requirement.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1650**	MPa	ISO 527
Yield stress	**45**	MPa	ISO 527
Yield strain	**4.5**	%	ISO 527
Strain at break	**45**	%	ISO 527
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**70**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**15**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**50**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**130**	°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	Value	Unit	Test Standard
Water absorption	**8.5**	%	Sim. to ISO 62
Humidity absorption	**2.3**	%	Sim. to ISO 62
Density	**1070**	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

Special Characteristics
High impact or impact modified

Delivery form
Pellets

Regional Availability
Europe