

Product Texts

Medium viscosity polyamide 6, 60% glass fibre reinforced as well as heat Stabilisation.
For all kind of moulding parts with very high stiffness.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	21100	MPa	ISO 527
Stress at break	220	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy impact strength, +23°C	85	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
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	Value	Unit	Test Standard
Water absorption	3.7	%	Sim. to ISO 62
Humidity absorption	1.2	%	Sim. to ISO 62
Density	1690	kg/m ³	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

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

Europe