

Product Texts

Medium viscosity polyamide 6 with 30% glass fibre.
For molding parts with increased stiffness.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9300	MPa	ISO 527
Stress at break	175	MPa	ISO 527
Strain at break	3.3	%	ISO 527
Charpy impact strength, -30°C	85	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	210	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°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	6.3	%	Sim. to ISO 62
Humidity absorption	1.9	%	Sim. to ISO 62
Density	1360	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
High impact or impact modified

Delivery form
Pellets

Regional Availability
Europe