

Product Texts

Medium viscosity polyamide 6 with 50% glass fibre reinforcement with heat Stabilisation.
For parts with high demands on stiffness and strength.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	16500	MPa	ISO 527
Stress at break	200	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, -30°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	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. Thickness tested	HB 1.6	class mm	IEC 60695-11-10 -

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	5	%	Sim. to ISO 62
Humidity absorption	2.1	%	Sim. to ISO 62
Density	1560	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