

Product Texts

30 % glass beads reinforced Polyamide 6.6, medium viscosity and with UV-Stabilisation.
Warp-free, accurate dimensionally moulding parts, well balanced shrinkage characteristics.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4500	MPa	ISO 527
Yield stress	90	MPa	ISO 527
Yield strain	3	%	ISO 527
Stress at break	100	MPa	ISO 527
Strain at break	4	%	ISO 527
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	185	°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	%	Sim. to ISO 62
Humidity absorption	1.5	%	Sim. to ISO 62
Density	1350	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	260 - 290	°C	-
Nozzle temperature	270 - 300	°C	-
Maximum residence time	8	min	-

Characteristics

Processing
Injection Molding

Features
Low Warp

Delivery form
Pellets

Regional Availability
Europe

Special Characteristics
U.V. stabilized or stable to weather