

Product Texts

30% long glass fibre reinforced polyamide 6.
 For moulded parts with high requirements to impact, stiffness
 and flexural strength. Granulate length 10 to 14 mm.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10500 / 7500	MPa	ISO 527
Stress at break	170 / 105	MPa	ISO 527
Strain at break	2.5 / 2.7	%	ISO 527
Charpy impact strength, +23°C	65 / 65	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	55 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	20 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 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	dry / cond	Unit	Test Standard
Water absorption	6.2 / *	%	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	60 - 100	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	270 - 290	°C	-
Nozzle temperature	265 - 285	°C	-
Maximum residence time	10	min	-

Characteristics

Processing

Injection Molding

Features

Long fiber reinforced

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

High impact or impact modified