

**Product Texts**

60% long glass fibre reinforced polyamide 6.  
For moulded parts with high requirements to impact, stiffness  
and flexural strength. Granulate length 10 to 14 mm.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	21500 / 17000	MPa	ISO 527
Stress at break	263 / 215	MPa	ISO 527
Strain at break	1.9 / 2.1	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	75 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	37 / 37	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	37 / -	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 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	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	3.5 / *	%	Sim. to ISO 62
Humidity absorption	1.2 / *	%	Sim. to ISO 62
Density	1700 / -	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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