

Product Texts

Medium viscosity polyamide 6 with 15% glass fiber reinforcement and a recycled content.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	5800 / 3000	MPa	ISO 527
Stress at break	95 / 45	MPa	ISO 527
Strain at break	5 / 20	%	ISO 527
Flexural modulus, 23°C	4500 / -	MPa	ISO 178
Flexural strength	150 / -	MPa	ISO 178
Charpy impact strength, +23°C	30 / 80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4 / 13	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	195 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	200 / *	°C	ISO 306
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	7.6 / *	%	Sim. to ISO 62
Humidity absorption	2.3 / *	%	Sim. to ISO 62
Density	1240 / -	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	250 - 270	°C	-
Nozzle temperature	250 - 280	°C	-
Maximum residence time	10	min	-

Characteristics

Processing

Injection Molding

Certifications

Recycled Resin Content

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

High impact or impact modified