

Product Texts

Medium viscosity, dry impact resistant Polyamide 6, 15 % glassfiber reinforced.

For moulding parts with good rigidity and good Impact resistance.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5200	MPa	ISO 527
Stress at break	110	MPa	ISO 527
Strain at break	3	%	ISO 527
Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	185	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200	°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	7.6	%	Sim. to ISO 62
Humidity absorption	2.3	%	Sim. to ISO 62
Density	1220	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	%	-
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

High impact or impact modified

Delivery form

Pellets

Regional Availability

Europe