

Product Texts

50% long glas fiber reinforced Polyarylamide.
 For molded parts with high impact load, stiffness and flexural strength. Granule length 10 - 14 mm.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	20000 / -	MPa	ISO 527
Stress at break	280 / -	MPa	ISO 527
Strain at break	1.8 / -	%	ISO 527
Charpy impact strength, +23°C	70 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	35 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	237 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	235 / *	°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	1.5 / *	%	Sim. to ISO 62
Density	1640 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	6 - 8	h	-
Processing humidity	≤0.1	%	-
Mold temperature	120 - 140	°C	-
Feed temperature	80 - 120	°C	-
Zone 1	280 - 310	°C	-
Nozzle temperature	270 - 310	°C	-
Maximum residence time	10	min	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Features

Long fiber reinforced

Regional Availability

Europe