

Product Texts

40% long glass fibre reinforced polyamide 66.
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	13000 / 10000	MPa	ISO 527
Stress at break	235 / 165	MPa	ISO 527
Strain at break	2.4 / 2.4	%	ISO 527
Charpy impact strength, +23°C	80 / 80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	65 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	23 / 23	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	23 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	260 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thicken.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	5 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1460 / -	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	80 - 120	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	290 - 310	°C	-
Nozzle temperature	285 - 305	°C	-
Maximum residence time	8	min	-

Characteristics

Processing

Injection Molding

Features

Long fiber reinforced

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

High impact or impact modified