

Product Texts

Medium viscosity polyamide 66 with 50% glass fiber reinforcement.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17000 / 12000	MPa	ISO 527
Stress at break	240 / 170	MPa	ISO 527
Strain at break	2.5 / 3.5	%	ISO 527
Charpy impact strength, +23°C	95 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	16 / 21	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	255 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260 / *	°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	4.2 / *	%	Sim. to ISO 62
Humidity absorption	1.2 / *	%	Sim. to ISO 62
Density	1560 / -	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	260 - 290	°C	-
Nozzle temperature	270 - 300	°C	-
Maximum residence time	8	min	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Delivery form
Pellets

Regional Availability
Europe

Special Characteristics
Heat stabilized or stable to heat