

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	1500 / 1100	MPa	ISO 527
Yield stress	46 / 35	MPa	ISO 527
Yield strain	7 / 10	%	ISO 527
Nominal strain at break	>50 / >50	%	ISO 527
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5 / 7	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	45 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	85 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	2 / *	%	Sim. to ISO 62
Humidity absorption	0.7 / *	%	Sim. to ISO 62
Density	1030 / -	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	≤0.15	%	-
Melt temperature	220 - 260	°C	-
Mold temperature	40 - 60	°C	-

Characteristics

Processing

Injection Molding

Features

Tribologic Grade

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa