

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	14000 / 13500	MPa	ISO 527
Stress at break	190 / 170	MPa	ISO 527
Strain at break	1.6 / 2	%	ISO 527
Charpy impact strength, +23°C	50 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 10	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	313 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	280 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	290 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60 / *	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	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	100 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.5 / *	%	Sim. to ISO 62
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	330 - 350	°C	-
Mold temperature	135	°C	-

Characteristics

Processing

Injection Molding

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Features

Tribologic Grade

Regional Availability

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