

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17500 / 15500	MPa	ISO 527
Stress at break	215 / 150	MPa	ISO 527
Strain at break	2.5 / 4	%	ISO 527
Flexural strength	300 / 270	MPa	ISO 178
Charpy impact strength, +23°C	100 / 110	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	21 / 26	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	21 / 26	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	20 / 23	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	215 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	14 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	56 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	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			
Relative permittivity, 1MHz	4.2 / 6.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	140 / 1400	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.8 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1670 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	270 - 300	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

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