

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3200 / 3200	MPa	ISO 527
Yield stress	100 / 100	MPa	ISO 527
Yield strain	4.5 / 4.5	%	ISO 527
Flexural modulus, 23°C	- / 2900	MPa	ISO 178
Charpy impact strength, +23°C	100 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	90 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / 12	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	295 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	100 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70 / *	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			
Relative permittivity, 1MHz	4 / 4	-	IEC 62631-2-1
Dissipation factor, 1MHz	300 / 400	E-4	IEC 62631-2-1
Volume resistivity	1E12 / 1E11	Ohm*m	IEC 62631-3-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	6.5 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1160 / -	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	≤0.05	%	-
Melt temperature	310 - 330	°C	-
Mold temperature	70 - 90	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

High impact or impact modified

Regional Availability

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