

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3150 / 1600	MPa	ISO 527
Yield stress	86 / 60	MPa	ISO 527
Yield strain	5 / 27	%	ISO 527
Flexural strength	135 / 65	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	6 / 18	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	75 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	85 / *	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	3.6 / 5	-	IEC 62631-2-1
Dissipation factor, 1MHz	250 / 2000	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	32 / 23	kV/mm	IEC 60243-1
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	8.5 / *	%	Sim. to ISO 62
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1140 / -	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	280 - 300	°C	-
Mold temperature	60 - 80	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Regional Availability

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