

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	12000 / 9300	MPa	ISO 527
Stress at break	200 / 140	MPa	ISO 527
Strain at break	3.5 / 5.5	%	ISO 527
Flexural strength	290 / 230	MPa	ISO 178
Charpy impact strength, +23°C	100 / 110	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	95 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 28	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	18 / 26	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18 / 23	kJ/m ²	ISO 180/1A
Izod notched impact strength Temperature	16 / -	kJ/m ²	ISO 180/1A
	-30	°C	-

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	17 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	64 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	HB / *	class	IEC 60695-11-10
	1.6 / *	mm	-
Burning behav. at thickness h Thickness tested	HB / *	class	IEC 60695-11-10
	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.9 / 6.4	-	IEC 62631-2-1
Dissipation factor, 1MHz	210 / 1900	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1420 / -	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

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

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