

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	15500 / 12100	MPa	ISO 527
Stress at break	230 / 160	MPa	ISO 527
Strain at break	3 / 5	%	ISO 527
Flexural strength	315 / 280	MPa	ISO 178
Charpy impact strength, +23°C	100 / 110	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	95 / 100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	21 / 26	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	21 / 25	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	20 / 23	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	18 / 21 -30	kJ/m <sup>2</sup> °C	ISO 180/1A -

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
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. Thickness tested	HB / * 1.6 / *	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	HB / * 0.8 / *	class mm	IEC 60695-11-10 -

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
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
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.8 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1550 / -	kg/m <sup>3</sup>	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