

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3000 / 2500	MPa	ISO 527
Stress at break	45 / 38	MPa	ISO 527
Strain at break	8 / 7	%	ISO 527
Charpy impact strength, +23°C	35 / 45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6 / 10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5 / 8	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210 / *	°C	ISO 75-1/-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			
ISO Data			
Volume resistivity	1E12 / -	Ohm*m	IEC 62631-3-1
Electric strength	30 / -	kV/mm	IEC 60243-1
Comparative tracking index	550 / -	-	IEC 60112
Other properties			
Water absorption	2.1 / *	%	Sim. to ISO 62
Humidity absorption	0.6 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
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

Features

Low Warpage

Regional Availability

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