

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2900 / 1300	MPa	ISO 527
Yield stress	57 / 41	MPa	ISO 527
Yield strain	4 / 15	%	ISO 527
Charpy impact strength, +23°C	30 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / 6	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	65 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	170 / *	°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			
Relative permittivity, 1MHz	3.4 / 6.3	-	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Other properties			
Water absorption	8.8 / *	%	Sim. to ISO 62
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / -	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	250 - 270	°C	-
Mold temperature	40 - 60	°C	-

Characteristics

Processing

Injection Molding

Additives

Lubricants

Regional Availability

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