

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	7500 / 6500	MPa	ISO 527
Stress at break	125 / 115	MPa	ISO 527
Strain at break	5 / 6	%	ISO 527
Charpy impact strength, +23°C	90 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 23	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	215 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	190 / *	°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	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	1E10 / -	Ohm*m	IEC 62631-3-1
Electric strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	350 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	1.4 / *	%	Sim. to ISO 62
Humidity absorption	0.5 / *	%	Sim. to ISO 62
Density	1250 / -	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

High impact or impact modified

Regional Availability

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