

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9500 / 7900	MPa	ISO 527
Stress at break	168 / 140	MPa	ISO 527
Strain at break	3 / 3.2	%	ISO 527
Flexural modulus, 23°C	8500 / -	MPa	ISO 178
Flexural strength	250 / -	MPa	ISO 178
Charpy impact strength, +23°C	80 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	218 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	200 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1,5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Glow Wire Flammability Index (GWFI)	675	°C	IEC 60695-2-12
GWFI - thickness tested (1)	0.75	mm	-
Glow Wire Flammability Index (GWFI)	675	°C	IEC 60695-2-12
GWFI - thickness tested (2)	1.5	mm	-
GWIT - thickness tested (1)	700	mm	-
Glow Wire Ignition Temperature (GWIT)	0.75	°C	IEC 60695-2-13
GWIT - thickness tested (2)	700	mm	-
Glow Wire Ignition Temperature (GWIT)	1.5	°C	IEC 60695-2-13

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	0.7 / *	%	Sim. to ISO 62
Humidity absorption	0.1 / *	%	Sim. to ISO 62
Density	1320 / -	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	280 - 300	°C	-
Mold temperature	70 - 120	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

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