

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	7000 / 4500	MPa	ISO 527-1/-2
Stress at break	120 / 90	MPa	ISO 527-1/-2
Strain at break	3 / 5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / 55	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	35 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9 / 15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	7 / 9	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	261 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	250 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.35 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.75 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.0 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
Relative permittivity (1 MHz)	3.5 / 5.5	-	IEC 60250
Dissipation factor (1 MHz)	150 / 1600	E-4	IEC 60250
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 60093
Surface resistivity	* / 1E10	Ohm	IEC 60093
Electric strength	80 / 65	kV/mm	IEC 60243-1
Comparative tracking index	- / 375	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	6.4 / *	%	Sim. to ISO 62
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	1300 / -	kg/m ³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
Viscosity number	140 / *	cm ³ /g	ISO 307, 1157, 1628

Test specimen producti	Value	Unit	Test Standard
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on

Injection Molding, melt temperature	280	°C	ISO 294
mold temperature	80	°C	ISO 10724

Characteristic

Regional Availability

Europe

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant

Other text information

Injection molding

PREPROCESSING

Max. Water Content 0,1%

Pre-Drying: 80°C 4 Hours

PROCESSING

Melt Temperature 280-300°C

Mould Temperature 80-90°C