

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	<b>7300 / 5500</b>	MPa	ISO 527-1/-2
Stress at break	<b>145 / 95</b>	MPa	ISO 527-1/-2
Strain at break	<b>3 / 7</b>	%	ISO 527-1/-2
Charpy impact strength (+23°C)	<b>55 / 80</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	<b>50 / 60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<b>9 / 14</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<b>8 / 9</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Melting temperature (10°C/min)	<b>261 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	<b>250 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	<b>250 / *</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	<b>0.33 / *</b>	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	<b>0.7 / *</b>	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5 / *</b>	mm	IEC 60695-11-10
UL recognition	<b>UL / *</b>	-	-
Burning Behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.7 / *</b>	mm	IEC 60695-11-10
UL recognition	<b>UL / *</b>	-	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Relative permittivity (1 MHz)	<b>3.7 / 5.5</b>	-	IEC 60250
Dissipation factor (1 MHz)	<b>150 / 1600</b>	E-4	IEC 60250
Volume resistivity	<b>1E13 / 1E10</b>	Ohm*m	IEC 60093
Surface resistivity	<b>* / 1E10</b>	Ohm	IEC 60093
Electric strength	<b>90 / 80</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>- / 500</b>	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>6.8 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>2.2 / *</b>	%	Sim. to ISO 62
Density	<b>1290 / -</b>	kg/m <sup>3</sup>	ISO 1183

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

Test specimen production			Value	Unit	Test Standard
Injection temperature	Molding,	melt	<b>280</b>	°C	ISO 294
mold temperature			<b>80</b>	°C	ISO 10724

## Characteristic

### Regional Availability

Europe

### Processing

Injection Molding

### Delivery form

Pellets

### Special Characteristics

Heat stabilized or stable to heat

## 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