

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	16500 / 10500	MPa	ISO 527
Stress at break	220 / 140	MPa	ISO 527
Strain at break	2 / 3	%	ISO 527
Flexural modulus, 23°C	12900 / -	MPa	ISO 178
Flexural strength	300 / -	MPa	ISO 178
Charpy impact strength, +23°C	100 / 105	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	95 / 95	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 22	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	15 / 15	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	217 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	10 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	50 / *	E-6/K	ISO 11359-1/-2
Glow Wire Flammability Index (GWFI)	700	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	700	°C	IEC 60695-2-12
GWFI - thickness tested (2)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	725	°C	IEC 60695-2-13
GWIT - thickness tested (1)	2	mm	-

Electrical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Electric strength	35 / 25	kV/mm	IEC 60243-1
<b>Other Standards<sup>[5]</sup></b>			
Relative permittivity, 100Hz	3.5 / 14	-	IEC 60250
Relative permittivity, 1MHz	5.2 / 4.5	-	IEC 60250
Dissipation factor, 100Hz	50 / 3000	E-4	IEC 60250
Dissipation factor, 1MHz	150 / 12000	E-4	IEC 60250
Surface resistivity	* / 1E14	Ohm	IEC 60093

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.2 / *	%	Sim. to ISO 62
Density	1560 / -	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	220 - 240	°C	-
Mold temperature	60 - 90	°C	-

## Characteristics

### Processing

Injection Molding, Other Extrusion

### Regional Availability

North America, Europe, South and Central America

**Delivery form**

Natural Color