

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
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	11000 / 7000	MPa	ISO 527
Stress at break	140 / 95	MPa	ISO 527
Strain at break	3.1 / 6	%	ISO 527
Flexural modulus, 23°C	10200 / 6600	MPa	ISO 178
Flexural strength	235 / 160	MPa	ISO 178
Charpy impact strength, +23°C	60 / 70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 13	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	55 / 65	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10 / 13	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	219 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	212 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (2)	3	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Electric strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>Other properties</b>			
Water absorption	4.8 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1420 / -	kg/m <sup>3</sup>	ISO 1183
<b>Test specimen production</b>			
<b>ISO Data</b>			
Injection Molding, melt temperature	270	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.07	%	-
Melt temperature	250 - 280	°C	-
Mold temperature	70 - 90	°C	-

## Characteristics

**Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Halogen-free

**Features**

Thermal Stability

**Regional Availability**

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