

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	65	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	14000	MPa	ISO 178
Flexural strength	110	MPa	ISO 178
Izod impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	4.5	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	195	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.6	mm	-
Glow Wire Ignition Temperature (GWIT)	960	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.6	mm	-
<b>Other Standards<sup>[5]</sup></b>			
Thermal Conductivity, solid state	0.187	W/(m K)	ASTM E 1530

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

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water absorption	3.5	%	Sim. to ISO 62
Humidity absorption	1.2	%	Sim. to ISO 62
Density	1860	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	60 - 95	°C	-
Back pressure	0 - 1	MPa	-

## Characteristics

### Processing

Injection Molding

### Additives

Flame retarding agent

### Special Characteristics

Flame retardant, Halogen-free, Thermally Conductive

### Applications

Electrical and Electronical

### Regional Availability

Europe