

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Molding shrinkage, parallel	0.5	%	Producer Method
Molding shrinkage, normal	0.8	%	Producer Method

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7300	MPa	ISO 527
Stress at break	150	MPa	ISO 527
Strain at break	2.9	%	ISO 527
Flexural modulus, 23°C	6700	MPa	ISO 178
Flexural strength	215	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	8	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	245	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	260	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	54	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	500	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	25	kV/mm	ASTM D 149
Arc Resistance	150	s	ASTM D 495
<b>Other Standards<sup>[5]</sup></b>			
Relative permittivity, 1MHz	3.1	-	IEC 60250
Dissipation factor, 1MHz	340	E-4	IEC 60250
Volume resistivity	3.1E13	Ohm*m	IEC 60093

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Other properties	Value	Unit	Test Standard
Density	1250	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	-
Melt temperature	280 - 310	°C	-
Mold temperature	50 - 80	°C	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat