

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>6000</b>	MPa	ISO 527
Stress at break	<b>100</b>	MPa	ISO 527
Strain at break	<b>3.3</b>	%	ISO 527
Flexural strength	<b>155</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>50</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>45</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>7.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>7.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>7</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	<b>6</b> <b>-30</b>	kJ/m <sup>2</sup> °C	ISO 180/1A -

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>223</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>200</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>215</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>50</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>110</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn. Thickness tested	<b>HB</b> <b>1.6</b>	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	<b>HB</b> <b>0.8</b>	class mm	IEC 60695-11-10 -

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.7</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>200</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>29</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>400</b>	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	<b>0.43</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.16</b>	%	Sim. to ISO 62
Density	<b>1410</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>100 - 120</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.04</b>	%	-
Melt temperature	<b>250 - 275</b>	°C	-
Mold temperature	<b>60 - 100</b>	°C	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Granules

### Regional Availability

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