

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>16</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>260</b>	°C	-
Load	<b>5</b>	kg	-
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.5</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>4800</b>	MPa	ISO 527
Yield stress	<b>100</b>	MPa	ISO 527
Yield strain	<b>3.2</b>	%	ISO 527
Stress at break	<b>95</b>	MPa	ISO 527
Strain at break	<b>3.7</b>	%	ISO 527
Izod impact strength, +23°C	<b>35</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	<b>8</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>6</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-30</b>	°C	-
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>121</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>133</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>132</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>40</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>67</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 100Hz	<b>3.2</b>	-	IEC 62631-2-1
Relative permittivity, 1MHz	<b>3</b>	-	IEC 62631-2-1
Dissipation factor, 100Hz	<b>25</b>	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	<b>90</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E16</b>	Ohm	IEC 62631-3-2
Electric strength	<b>35</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>200</b>	-	IEC 60112
<b>Other properties</b>			
Water absorption	<b>0.4</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.2</b>	%	Sim. to ISO 62
Density	<b>1220</b>	kg/m <sup>3</sup>	ISO 1183
<b>Test specimen production</b>			
<b>ISO Data</b>			
Injection Molding, melt temperature	<b>260</b>	°C	ISO 294
Injection Molding, mold temperature	<b>80</b>	°C	ISO 294
Injection Molding, injection velocity	<b>540</b>	mm/s	ISO 294
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>95 - 110</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>260 - 280</b>	°C	-

Mold temperature	<b>70 - 90</b>	°C	-
Zone 1	<b>230 - 240</b>	°C	-
Zone 2	<b>235 - 245</b>	°C	-
Zone 3	<b>240 - 270</b>	°C	-
Nozzle temperature	<b>265 - 275</b>	°C	-
Back pressure	<b>5 - 15</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Thermal Stability

**Certifications**

Contains renewable resources, ISCC Plus

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