

**Product Texts**

Enhanced flow Polyetherimide (Tg 217C). ECO Conforming.

UL Yellow Card Link [E121562-101048292](https://www.ulprospector.com/1110)

<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>21</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>360</b>	°C	-
Load	<b>5</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>3500</b>	MPa	ISO 527
Yield stress	<b>110</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Stress at break	<b>80</b>	MPa	ISO 527
Strain at break	<b>10</b>	%	ISO 527
Flexural modulus	<b>3300</b>	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	<b>4</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	<b>4</b>	kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness	<b>145</b>	MPa	ISO 2039-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Vicat softening temperature, A	<b>210</b>	°C	ISO 306
Vicat softening temperature, B	<b>200</b>	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	<b>205</b>	°C	ISO 306
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-
Burning behav. 5V at thickness h	<b>5VA</b>	class	IEC 60695-11-20
Thickness tested	<b>3.0</b>	mm	-
Thermal Conductivity	<b>0.26</b>	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	<b>960</b>	°C	IEC 60695-2-12
GWFI - thickness tested (3)	<b>3.2</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2
Comparative tracking index	<b>175</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>1.2</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.65</b>	%	Sim. to ISO 62
Density	<b>1370</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>150</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>360 - 400</b>	°C	-
Mold temperature	<b>140 - 180</b>	°C	-
Feed temperature	<b>80 - 100</b>	°C	-
Zone 1	<b>340 - 380</b>	°C	-
Zone 2	<b>360 - 400</b>	°C	-
Zone 3	<b>370 - 410</b>	°C	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Europe