

**Product Texts**

20% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). ECO Conforming. US FDA Food Contact compliant in recognized colors.

UL Yellow Card Link [E121562-221093](https://www.ulprospector.com/121562-221093)

<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>10</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>6800</b>	MPa	ISO 527
Stress at break	<b>140</b>	MPa	ISO 527
Strain at break	<b>2</b>	%	ISO 527
Flexural modulus	<b>6500</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>35</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>35</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Izod impact strength, +23°C, 4mm	<b>30</b>	kJ/m <sup>2</sup>	ISO 180/1U
Izod impact strength, -30°C, 4mm	<b>30</b>	kJ/m <sup>2</sup>	ISO 180/1U
Ball indentation hardness	<b>150</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>223</b>	°C	ISO 306
Vicat softening temperature, B	<b>212</b>	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	<b>218</b>	°C	ISO 306
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.4</b>	mm	-
Burning behav. 5V at thickness h	<b>5VA</b>	class	IEC 60695-11-20
Thickness tested	<b>1.9</b>	mm	-
Thermal Conductivity	<b>0.28</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>			
Relative permittivity, 1MHz	<b>3</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>25</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E13</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>&gt;1E15</b>	Ohm	IEC 62631-3-2
Electric strength	<b>34</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>150</b>	-	IEC 60112

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>1</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.55</b>	%	Sim. to ISO 62
Density	<b>1420</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>370 - 410</b>	°C	-
Mold temperature	<b>140 - 180</b>	°C	-
Feed temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>350 - 400</b>	°C	-

**ULTEM™ Resin 2210F - Europe**

PEI-GF20

Saudi Basic Industries Corporation (SABIC)

Zone 2	<b>360 - 410</b>	°C	-
Zone 3	<b>370 - 420</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Certifications**

Food contact, Food approval FDA 21 CFR