

**Product Texts**

10% Glass fiber filled, standard flow Polyetherimide (Tg 217C). ECO Conforming, UL94 V0 and 5VA listing. US FDA and EU Food Contact Compliant, NSF 51 listing. WRAS certification in recognized colors.

UL Yellow Card Link [E121562-102518191](https://www.ulprospector.com/121562-102518191)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	9	cm <sup>3</sup> /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	4500	MPa	ISO 527
Stress at break	115	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus	4500	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1U
Izod impact strength, -30°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1U
Ball indentation hardness	140	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, A	223	°C	ISO 306
Vicat softening temperature, B	212	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	217	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.9	mm	-
Thermal Conductivity	0.24	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3.2	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 1MHz	25	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	34	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	1	%	Sim. to ISO 62
Humidity absorption	0.6	%	Sim. to ISO 62
Density	1340	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	370 - 410	°C	-
Mold temperature	140 - 180	°C	-
Feed temperature	80 - 120	°C	-
Zone 1	340 - 395	°C	-
Zone 2	350 - 405	°C	-

**ULTEM™ Resin 2100F - Europe**

PEI-GF10

Saudi Basic Industries Corporation (SABIC)

Zone 3

360 - 415

°C

-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Certifications**

Food contact, Food approval FDA 21 CFR