

**ULTEM™ Resin 2410 - Americas**

PEI-GF40

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

40% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). ECO Conforming, UL94 V0 and 5VA listing.

UL Yellow Card Link [E121562-221104](https://www.ul.com/yellow-card/E121562-221104)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5.2	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	11720	MPa	ASTM D 638
Tensile Strength at Yield	186	MPa	ASTM D 638
Tensile Strength at Break	179	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Rockwell Hardness	M 114	-	ASTM D 785
Izod Impact notched, 1/8 in	112	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	427	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.2	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
Vicat Temperature	234	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1610	kg/m <sup>3</sup>	ASTM D 792

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	350 - 400	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	330 - 400	°C	-
Zone 2	340 - 400	°C	-
Zone 3	345 - 400	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America

**Applications**

Automotive