

**ULTEM™ Resin 2410 - Asia**

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 [E45587-236986](https://www.ulprospector.com/usa/Products/2410)

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

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

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

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

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

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

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

Automotive