

**ULTEM™ Resin CRS5011 - Americas**

PEI

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

Transparent, Enhanced flow Polyetherimide copolymer (Tg 225C) with enhanced chemical resistance to strong acids, bases, aromatics, and ketones. ECO conforming, UL94 V0 listing.

UL Yellow Card Link [E121562-221115](https://www.ulprospector.com/usa/ul94v0listing)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	11	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2890	MPa	ASTM D 638
Tensile Strength at Yield	99	MPa	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	17.9	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0021	-	ASTM D 150
Dielectric Constant, 60 Hz	3.2	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	1280	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	365 - 390	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	345 - 365	°C	-
Zone 2	355 - 375	°C	-
Zone 3	365 - 390	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Transparent

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive

**Regional Availability**

North America