

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/121562-221115)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	20	cm ³ /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2900	MPa	ISO 527
Yield stress	100	MPa	ISO 527
Yield strain	8	%	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2900	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	220	°C	ISO 306
Vicat softening temperature, B	215	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	215	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3.2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	1.2	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1280	kg/m ³	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	360 - 400	°C	-
Mold temperature	140 - 180	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	340 - 380	°C	-
Zone 2	360 - 400	°C	-
Zone 3	370 - 410	°C	-

Characteristics

ULTEM™ Resin CRS5011 - Europe

PEI

Saudi Basic Industries Corporation (SABIC)

Processing

Injection Molding

Special Characteristics

Transparent

Chemical Resistance

General Chemical Resistance

Applications

Automotive

Regional Availability

Europe