

**Product Texts**

High flow Polyetherimide blend. ECO Conforming, UL94 V0 Listing.

UL Yellow Card Link [E45329-100397331](https://www.ulprospector.com/usa/Products/UL94V0/45329-100397331)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	16	cm <sup>3</sup> /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	24	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3000	MPa	ISO 527
Yield stress	95	MPa	ISO 527
Yield strain	6.5	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus	3100	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness	125	MPa	ISO 2039-1
<b>ASTM Data</b>			
Tensile Modulus	3300	MPa	ASTM D 638
Tensile Strength at Yield	96	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	70	%	ASTM D 638
Flexural Modulus	3170	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	55	J/m	ASTM D 256
Temperature	-30	°C	-
Izod Impact unnotched, 1/8 in	2080	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, B	200	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	205	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Thermal Conductivity	0.23	W/(m K)	DIN 52616
<b>ASTM Data</b>			
DTUL @ 264 psi	187	°C	ASTM D 648
Vicat Temperature	209	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 1MHz	50	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1

**ULTEM™ Resin ATX200 - Europe**

PEI

Saudi Basic Industries Corporation (SABIC)

Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.5	%	Sim. to ISO 62
Density	1260	kg/m <sup>3</sup>	ISO 1183
Density	1260	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 140	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	340 - 380	°C	-
Mold temperature	125 - 140	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	320 - 340	°C	-
Zone 2	330 - 350	°C	-
Zone 3	340 - 360	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe