

Product Texts

High flow Polyetherimide blend with low toxicity, smoke and flame evolution. ECO Compliant, UL94 V0 listing in recognized colors.

UL Yellow Card Link [E121562-221074](https://www.ulprospector.com/usa/Products/121562-221074)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	15	cm ³ /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	2.4	g/10min	ASTM D 1238
Temperature	295	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	90	MPa	ISO 527
Yield strain	6	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus	3200	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m ²	ISO 180/1A
Ball indentation hardness	127	MPa	ISO 2039-1
ASTM Data			
Tensile Modulus	3310	MPa	ASTM D 638
Tensile Strength at Yield	97	MPa	ASTM D 638
Tensile Strength at Break	85	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	3240	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	2100	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, B	200	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	200	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Thermal Conductivity	0.26	W/(m K)	DIN 52616
ASTM Data			
DTUL @ 66 psi	201	°C	ASTM D 648
DTUL @ 264 psi	187	°C	ASTM D 648
Vicat Temperature	210	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water absorption	1.25	%	Sim. to ISO 62
Humidity absorption	0.7	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

ULTEM™ Resin LTX300A - Americas

PEI

Saudi Basic Industries Corporation (SABIC)

Density	1300	kg/m ³	ASTM D 792
---------	-------------	-------------------	------------

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	135	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	350 - 370	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	340 - 360	°C	-
Zone 2	345 - 365	°C	-
Zone 3	350 - 370	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America