

ULTEM™ LTX300B resin

Polyether Imide

SABIC Innovative Plastics

Message:

Standard flow Polyetherimide blend with low toxicity, smoke, and flame evolution. ECO Compliant, UL94 V0 listing.

General Information			
Features	Low smoke		
	Low toxicity		
	Comply with ECO		
Agency Ratings	EU Eco		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (295°C/6.6 kg)	1.6	g/10 min	ASTM D1238
Molding Shrinkage			Internal method
Flow: 3.20mm	0.30 - 0.50	%	Internal method
Transverse flow: 3.20mm	0.50 - 0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3340	MPa	ASTM D638
Tensile Strength ² (Yield)	96.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	88	%	ASTM D638
Flexural Modulus ⁴ (100 mm Span)	3210	MPa	ASTM D790
Flexural Strength ⁵			ASTM D790
Yield, 100mm span	145	MPa	ASTM D790
Fracture, 100mm span	141	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Reverse Notch Izod Impact (3.20 mm)	2100	J/m	ASTM D256
Dart Drop Impact (23°C)	35.3	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	191	°C	ASTM D648
RTI Elec	140	°C	UL 746
RTI Imp	115	°C	UL 746
RTI	140	°C	UL 746
Electrical	Nominal Value		Test Method
Arc Resistance ⁶	PLC 6		ASTM D495
Comparative Tracking Index (CTI)	PLC 4		UL 746

High Amp Arc Ignition (HAI)	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Hot-wire Ignition (HWI)	PLC 0	UL 746
Flammability	Nominal Value	Test Method
Flame Rating (0.762 mm)	V-0	UL 94
Halogen Content	0	Internal method
Injection	Nominal Value	Unit
Drying Temperature	135	°C
Drying Time	4.0 - 6.0	hr
Drying Time, Maximum	12	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	40 - 60	%
Rear Temperature	310 - 332	°C
Middle Temperature	321 - 343	°C
Front Temperature	332 - 354	°C
Nozzle Temperature	327 - 349	°C
Processing (Melt) Temp	332 - 354	°C
Mold Temperature	93.3 - 135	°C
Back Pressure	0.345 - 0.689	MPa
Screw Speed	40 - 70	rpm
Vent Depth	0.025 - 0.076	mm
NOTE		
1.	5.0 mm/min	
2.	Type 1, 5.0 mm/min	
3.	Type 1, 5.0 mm/min	
4.	2.6 mm/min	
5.	2.6 mm/min	
6.	Tungsten electrode	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT