

ULTEM™ ATX200F resin

Polyether Imide + PCE
SABIC Innovative Plastics

Message:
High flow Polyetherimide blend. ECO Conforming, UL94 V0 Listing. US FDA Food Contact compliant.

General Information			
Features	Comply with ECO		
	High liquidity		
	Compliance of Food Exposure		
Agency Ratings	EU Eco		
	FDA Food Exposure, Not Rated		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	96.5	MPa	ASTM D638
Tensile Elongation ² (Break)	70	%	ASTM D638
Flexural Modulus ³ (100 mm Span)	3170	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 100 mm Span)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	2100	J/m	ASTM D4812
Reverse Notch Izod Impact (3.20 mm)	2700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	191	°C	ASTM D648
RTI Elec	115	°C	UL 746
RTI Imp	115	°C	UL 746
RTI	115	°C	UL 746
Electrical	Nominal Value	Test Method	
Comparative Tracking Index (CTI)	PLC 4	UL 746	
High Amp Arc Ignition (HAI)	PLC 4	UL 746	
Hot-wire Ignition (HWI)	PLC 0	UL 746	
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	

0.762 mm	V-2	UL 94
1.50 mm	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	135	°C
Drying Time	4.0 - 6.0	hr
Drying Time, Maximum	10	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	40 - 60	%
Rear Temperature	338 - 360	°C
Middle Temperature	343 - 366	°C
Front Temperature	349 - 371	°C
Nozzle Temperature	349 - 371	°C
Processing (Melt) Temp	349 - 371	°C
Mold Temperature	135 - 163	°C
Back Pressure	0.345 - 0.689	MPa
Screw Speed	40 - 70	rpm
Vent Depth	0.025 - 0.076	mm
NOTE		
1.	Type 1, 5.0 mm/min	
2.	Type 1, 5.0 mm/min	
3.	2.6 mm/min	
4.	2.6 mm/min	

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