

SABIC Innovative Plastics ULTEM ATX200 PEI+PCE

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI) + PCE

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-ULTEM-ATX200-PEIPCE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	24 g/10 min @Load 6.60 kg, Temperature 337 Â°C	24 g/10 min @Load 14.6 lb, Temperature 639 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	96.0 MPa	13900 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	70 %	70 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	144 MPa	20900 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	3.17 GPa	460 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
	21.36 J/cm @Thickness 3.20 mm	40.02 ft-lb/in @Thickness 0.126 in	ASTM D256
Izod Impact, Unnotched	20.82 J/cm	39.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	190 Â°C @Thickness 6.40 mm	374 Â°F @Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	115 Â°C	239 Â°F	UL 746B
UL RTI, Mechanical with Impact	115 Â°C	239 Â°F	UL 746B
UL RTI, Mechanical without Impact	115 Â°C	239 Â°F	UL 746B
	V-2	V-2	

Flammability, UL 94 Thermal Properties	Metric @ Thickness 0.760 mm	English @ Thickness 0.0299 in	UL 94 Comments
	V-0	V-0	UL 94
	@Thickness 1.49 mm	@Thickness 0.0587 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	100 - 175 V	100 - 175 V	UL 746A
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	UL 746A
High Amp Arc Ignition, HAI	0.00 - 15 arcs	0.00 - 15 arcs	UL 746A

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