

**SABIC ULTEM ATX100 PEI+PCE (Unverified Data\*\*)****Categories:** [Polymer](#); [Thermoplastic](#); [Polyetherimide \(PEI\)](#); [Polyetherimide \(PEI\) + PCE](#)**Material Notes:** Higher impact, high flow Polyetherimide blend. ECO Conforming, UL94 HB Listing.**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 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	6.0 g/10 min @ Load 6.60 kg, Temperature 295 °C	6.0 g/10 min @ Load 14.6 lb, Temperature 563 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.0 MPa	9860 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	80 %	80 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	106 MPa	15400 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.53 GPa	367 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	20.82 J/cm	39.00 ft-lb/in	ASTM D4812

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 - 250 V	175 - 250 V	UL 746A
Hot Wire Ignition, HWI	60 - 120 sec	60 - 120 sec	UL 746A
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	UL 746A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	157 °C @ Thickness 6.40 mm	315 °F @ Thickness 0.252 in	unannealed; ASTM D648
UL RTI, Electrical	115 °C	239 °F	UL 746B
UL RTI, Mechanical with Impact	115 °C	239 °F	UL 746B
UL RTI, Mechanical without Impact	115 °C	239 °F	UL 746B
Flammability, UL94	HB @ Thickness 0.760 mm	HB @ Thickness 0.0299 in	UL 94

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