



Component - Plastics

File Number: E45329

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN, PLASTICSLAAN 1, BERGEN OP ZOOM 4612 PX NL



Lexan: 943A(f1)

Polycarbonate (PC), pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

Flammability	Value	Test Method
Flame Rating		UL 94
1.50 mm, ALL	V-2	IEC 60695-11-10, -20
3.00 mm, ALL	V-0	
6.00 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 3	
3.00 mm	PLC 2	
6.00 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 3	
3.00 mm	PLC 2	
6.00 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	24 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+15 ohm·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 7	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.50 mm	130 °C	
3.00 mm	130 °C	
6.00 mm	130 °C	
RTI Imp		UL 746
1.50 mm	120 °C	
3.00 mm	120 °C	
6.00 mm	120 °C	
RTI Str		UL 746
1.50 mm	125 °C	
3.00 mm	130 °C	
6.00 mm	130 °C	
Physical	Value	Test Method
Dimensional Stability	0.10 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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