



Component - Plastics

File Number: E45329

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN

PLASTICSLAAN 1

BERGEN OP ZOOM, YK 4612 PX The Netherlands



Lexan: 123R(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		
0.75 mm, ALL	HB	UL 94
1.0 mm, ALL	HB	UL 94
1.5 mm, ALL	HB	UL 94
2.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.75 mm, ALL	HB75	IEC 60695-11-10, -20
1.0 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
2.0 mm, ALL	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	850 °C	
2.0 mm	850 °C	
3.0 mm	900 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
1.0 mm	875 °C	
2.0 mm	850 °C	
3.0 mm	850 °C	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 4	
3.0 mm	PLC 4	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 2	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)	PLC 2	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Thermal	Value	Test Method
RTI Elec		UL 746
0.75 mm	120 °C	
1.0 mm	120 °C	
1.5 mm	130 °C	
2.0 mm	130 °C	
3.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Imp		UL 746
0.75 mm	120 °C	
1.0 mm	120 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	130 °C	
RTI Str		UL 746
0.75 mm	120 °C	
1.0 mm	120 °C	
1.5 mm	125 °C	
2.0 mm	125 °C	
3.0 mm	130 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C