



# Component - Plastics

File Number: E45329

## SABIC INNOVATIVE PLASTICS B V

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



### Lexan: 143R(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		
0.750 mm, ALL	HB	UL 94
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
0.750 mm, ALL	HB75	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 4	
3.00 mm	PLC 4	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 2	
3.00 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
0.750 mm	120 °C	
1.50 mm	130 °C	
3.00 mm	130 °C	
RTI Imp		UL 746
0.750 mm	120 °C	
1.50 mm	125 °C	
3.00 mm	130 °C	
RTI Str		UL 746
0.750 mm	120 °C	
1.50 mm	125 °C	
3.00 mm	130 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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