



Component - Plastics

File Number: E45329

SABIC INNOVATIVE PLASTICS B V
EUROPE - RESIN
PLASTICSLAAN 1
BERGEN OP ZOOM, 4612 PX Netherlands



Lexan: 9030(f1)(m)

Polycarbonate (PC), sheets

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

(m) - Virgin and regrind up to 100% by weight have the same basic material characteristics.

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
1.5 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
6.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
6.0 mm, ALL	HB40	IEC 60695-11-10, -20
0.75 mm, ALL	HB75	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 4	
3.0 mm	PLC 4	
6.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 2	
3.0 mm	PLC 1	
6.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746A
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	80.0 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
RTI Imp		UL 746B
0.75 mm	80.0 °C	
1.5 mm	125 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	

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Thermal	Value	Test Method
RTI Str		UL 746B
0.75 mm	80.0 °C	
1.5 mm	125 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
Physical	Value	Test Method
Dimensional Change	0.18 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C