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Model LUX7430C(f1)(gg*), LUX7436C(f1)(gg*)

File Number: E45329



COMPANY

SABIC INNOVATIVE PLASTICS B V

EUROPE - RESIN

PLASTICSLAAN 1

BERGEN OP ZOOM, 4612 PX Netherlands

MODEL INFO

LUX7430C(f1)(gg*), LUX7436C(f1)(gg*)

Polycarbonate (PC) "Lexan, ELCRES", furnished as pellets

(gg*) – Denotes a global grade

(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.

This product has not been received for testing as part of UL Follow-Up Services in the past four years and cannot currently be distributed as a UL Certified product.

[Click here to learn more.](#)

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.4 mm, Color: ALL	V-2	
1.0 mm, Color: ALL	V-1	
1.2 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	5VA V-0	

ISO/IEC FLAMMABILITY PROPERTIES

VALUE

TEST METHOD

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Flammability

0.4 mm, Color: ALL

1.0 mm, Color: ALL

V-2
V-1

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IEC 60695-11-10

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Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
1.2 mm	850 °C	
3.0 mm	850 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
1.2 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
1.2 mm	PLC 3	
3.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
1.2 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)		PLC 3 UL 746A
Dielectric Strength		19 kV/mm ASTM D149
Volume Resistivity		1.0E+14 ohms-cm ASTM D257/IEC 60093
Comparative Tracking Index (CTI) (Material Group: IIIa)		CTI200 V IEC 60112
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.4 mm	80 °C	
1.0 mm	125 °C	
1.2 mm	125 °C	
3.0 mm	125 °C	
Relative Thermal Index - Mechanical Impact		UL 746B

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5.0 mm	120 °C
Relative Thermal Index - Mechanical Strength	
UL 746B	
0.4 mm	80 °C
1.0 mm	125 °C
1.2 mm	125 °C
3.0 mm	125 °C
PHYSICAL PROPERTIES	VALUE
TEST METHOD	
UV Exposure & Water Immersion	f1
UL 746C	

Report Date: 2011-05-12
Revision Date: 2022-06-08

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