

Model 3412ECR(f1) (GG)

File Number: E45329



COMPANY

SABIC INNOVATIVE PLASTICS B V

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

MODEL INFO

3412ECR(f1) (GG)
Polycarbonate (PC) "Lexan", glass reinforced, furnished as pellets
(GG) – Denotes a global grade formulation previously in File E161759.
(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 PROPERTIES	额定值	测试方法
Flammability		ANSI/UL 94
0.7 mm, Color: ALL	V-2	
0.8 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	5VA V-0	
6.0 mm, Color: ALL	5VA V-0	
ISO/IEC FLAMMABILITY PROPERTIES	额定值	测试方法
Flammability		IEC 60695-11-10
0.7 mm, Color: ALL	V-2	
0.8 mm, Color: ALL	V-2	
1.5 mm, Color: ALL	V-0	

3.0 mm, Color: ALL	V-0	
6.0 mm, Color: ALL	V-0	
Flammability		IEC 60695-11-20
3.0 mm, Color: ALL	5VA	
6.0 mm, Color: ALL	5VA	
ELECTRICAL PROPERTIES	额定值	测试方法
Hot-wire Ignition (HWI)		UL 746A
0.8 mm	PLC 2	
1.5 mm	PLC 1	
3.0 mm	PLC 1	
6.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.8 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
6.0 mm	PLC 2	
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Dielectric Strength	34 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	
Volume Resistivity	1.0E+10 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 7	
Comparative Tracking Index (CTI) (Material Group: IIIa)	CTI175 V	IEC 60112
THERMAL PROPERTIES	额定值	测试方法
Relative Thermal Index - Electrical Strength		UL 746B
0.7 mm	130 °C	
0.8 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	

6.0 mm	130 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.7 mm	125 °C	
0.8 mm	125 °C	
1.5 mm	125 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.7 mm	130 °C	
0.8 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
6.0 mm	130 °C	
PHYSICAL PROPERTIES	额定值	测试方法
Dimensional Change	0.17 %	ASTM D1042/ISO 2796
UV Exposure & Water Immersion	f1	UL 746C

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