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Model EXL1414T(GG), FXE1414T(GG)

File Number: E45329



COMPANY

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

MODEL INFO

EXL1414T(GG), FXE1414T(GG)
PC/Siloxane "Lexan, ELCRES", furnished as pellets
(GG) – Denotes a global grade formulation previously in File E161759.
NOTE – Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.4 mm, Color: ALL	HB	
0.8 mm, Color: ALL	HB	
1.0 mm, Color: ALL	HB	
1.5 mm, Color: ALL	HB	
2.5 mm, Color: ALL	HB	
3.0 mm, Color: ALL	V-2	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.4 mm, Color: ALL	HB75	
0.8 mm, Color: ALL	HB75	
1.0 mm, Color: ALL	HB75	
1.5 mm, Color: ALL	HB75	

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0.8 mm	850 °C	
1.0 mm	875 °C	
1.5 mm	875 °C	
2.5 mm	875 °C	
3.0 mm	875 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
0.8 mm	825 °C	
1.0 mm	960 °C	
1.5 mm	960 °C	
2.5 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES		
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 3	
2.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 1	
2.5 mm	PLC 1	
3.0 mm	PLC 1	
Comparative Tracking Index (CTI)		UL 746A
Dielectric Strength		18 kV/mm ASTM D149
Volume Resistivity		1.0E+15 ohms-cm ASTM D257/IEC 60093

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THERMAL PROPERTIES		VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength			UL 746B
0.4 mm	80 °C		

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1.5 mm	130 °C
2.5 mm	130 °C
3.0 mm	130 °C
Relative Thermal Index - Mechanical Impact	
UL 746B	
0.4 mm	80 °C
0.8 mm	120 °C
1.0 mm	120 °C
1.5 mm	120 °C
2.5 mm	120 °C
3.0 mm	120 °C
Relative Thermal Index - Mechanical Strength	
UL 746B	
0.4 mm	80 °C
0.8 mm	130 °C
1.0 mm	130 °C
1.5 mm	130 °C
2.5 mm	130 °C
3.0 mm	130 °C
Ball Pressure Temperature	
125 °C	

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Dimensional Change	0.081 %	ASTM D1042/ISO 2796

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Revision Date: 2024-06-11

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