SABIC JAPAN L L C
PACIFIC GRADES - RESIN
2-2 KINUGAOKA
MOKA-SHI TOCHIGI-KEN 321-4392 JP

EXL9330(X)(f1)(GG)(B1)(IP), EXL9330B(X)(f1)(GG)(B1)(IP) (T N 18)

PC/Siloxane "Lexan, ELCRES, ELCRIN", furnished as pellets
(B1): Represents colour code BK1E526 and BK1E649
(GG): Denotes a global grade formulation previously in File E161759.
(X): All colors except natural.
(f1): Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
B1: Represents color code BK1E526, BK1E649 and BK1E519
IP: Inclined Plane Tracking per UL746A, average time to track at 1.5 kV is 60+ minutes.
NOTE: Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or numeric/alpha combination.
T N 18: Trade name Lexan, ELCRES represent EXL9330 and ELCRIN represens EXL9330B

Flammability	Value	Test Method
Flame Rating		
0.70 mm	HB, HB75 (ALL)	IEC 60695-11-10, IEC 60695-11-20
0.80 mm	V-1 ((B1))	IEC 60695-11-10, IEC 60695-11-20
2.5 mm	V-0, 5VB (BK, GY)	IEC 60695-11-10, IEC 60695-11-20
1.5 mm	V-0 ((X))	IEC 60695-11-10, IEC 60695-11-20
2.0 mm	V-0 ((X))	IEC 60695-11-10, IEC 60695-11-20
2.3 mm	V-0 ((X))	IEC 60695-11-10, IEC 60695-11-20
3.0 mm	V-0, 5VA ((X))	IEC 60695-11-10, IEC 60695-11-20
Glow-Wire Flammability (GWFI)		
1.0 mm	960 °C	IEC 60695-2-12
2.5 mm	960 °C	IEC 60695-2-12
1.5 mm	960 °C	IEC 60695-2-12
2.0 mm	960 °C	IEC 60695-2-12
2.3 mm	960 °C	IEC 60695-2-12
3.0 mm	960 °C	IEC 60695-2-12
Glow-Wire Ignition (GWIT)		
1.0 mm	825 °C	IEC 60695-2-13
2.5 mm	825 °C	IEC 60695-2-13
1.5 mm	825 °C	IEC 60695-2-13
2.0 mm	825 °C	IEC 60695-2-13
2.3 mm	825 °C	IEC 60695-2-13
3.0 mm	825 °C	IEC 60695-2-13

Electrical	Value	Test Method
High Amp Arc Ignition (HAI)		
0.60 mm	PLC 1	UL 746A
0.63 mm	PLC 1	UL 746A
0.70 mm	PLC 1	UL 746A
0.80 mm	PLC 1	UL 746A
1.0 mm	PLC 1	UL 746A
2.5 mm	PLC 0	UL 746A
1.5 mm	PLC 1	UL 746A
2.0 mm	PLC 1	UL 746A
2.3 mm	PLC 0	UL 746A
3.0 mm	PLC 0	UL 746A
Hot-wire Ignition (HWI)		
0.60 mm	PLC 3	UL 746A
0.63 mm	PLC 3	UL 746A
0.70 mm	PLC 3	UL 746A
0.80 mm	PLC 3	UL 746A
1.0 mm	PLC 3	UL 746A
2.5 mm	PLC 2	UL 746A
1.5 mm	PLC 2	UL 746A
2.0 mm	PLC 2	UL 746A
2.3 mm	PLC 2	UL 746A
3.0 mm	PLC 1	UL 746A
Dielectric Strength	25 kV/mm	ASTM D149
Volume Resistivity	10E+17 ohms·cm	ASTM D257, IEC 60093
Comparative Tracking Index (CTI)	PLC 3	UL 746A
Inclined Plane Tracking (IPT)	1.5 kV	ASTM D2303

Thermal	Value	Test Method
RTI Imp		
0.60 mm	80 °C	UL 746B
0.63 mm	105 °C	UL 746B
0.70 mm	105 °C	UL 746B
0.80 mm	105 °C	UL 746B
1.0 mm	105 °C	UL 746B
2.5 mm	110 °C	UL 746B
1.5 mm	110 °C	UL 746B
2.0 mm	110 °C	UL 746B
2.3 mm	110 °C	UL 746B
3.0 mm	115 °C	UL 746B
RTI Str		
0.60 mm	80 °C	UL 746B
0.63 mm	115 °C	UL 746B
0.70 mm	115 °C	UL 746B
0.80 mm	115 °C	UL 746B
1.0 mm	115 °C	UL 746B
2.5 mm	120 °C	UL 746B
1.5 mm	120 °C	UL 746B
2.0 mm	120 °C	UL 746B
2.3 mm	120 °C	UL 746B
3.0 mm	125 °C	UL 746B
RTI Elec		
0.60 mm	80 °C	UL 746B
0.63 mm	125 °C	UL 746B
0.70 mm	125 °C	UL 746B
0.80 mm	125 °C	UL 746B
1.0 mm	125 °C	UL 746B
2.5 mm	125 °C	UL 746B
1.5 mm	125 °C	UL 746B
2.0 mm	125 °C	UL 746B
2.3 mm	125 °C	UL 746B
3.0 mm	125 °C	UL 746B