

Component - Plastics

E207780

Guide Information

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

EXL9330(X)(f2)(GG)(B1)(IP)
PC/Siloxane "Lexan", furnished as pellets

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec</u>	<u>RTI Imp</u>	<u>RTI Str</u>
GY, BK	0.60	HB	3	1	80	80	80
	0.63	HB	3	1	125	105	115
ALL	0.70	HB	3	1	125	105	115
(B1)	0.80	V-1	3	1	125	105	115
BK	1.0	-	3	1	125	105	115
BK, GY	2.5	V-0, 5VB	2	0	125	110	120
(X)	1.5	V-0	2	1	125	110	120
	2.0	V-0	2	1	125	110	120
	2.3	V-0	2	0	125	110	120
	3.0	V-0, 5VA	1	0	125	115	125
Comparative Tracking Index (CTI): 3			Inclined Plane Tracking (IPT) kV: 1.5				
Dielectric Strength (kV/mm): 25			Volume Resistivity (10 ^x ohm-cm): 17				
High-Voltage Arc Tracking Rate (HVTR): -			High Volt, Low Current Arc Resis (D495): -				
Dimensional Stability (%): 0							
(B1) - Represents colour code BK1E526 and BK1E649							
(GG) - Denotes a global grade formulation previously in File E161759.							
(X) - All colors except natural.							
(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.							
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.							
ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.							

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.60	HB75 (GY, BK)
			0.63	HB75 (GY, BK)
			0.70	HB75 (ALL)
			0.80	V-1 ((B1))
			2.5	V-0, 5VB (BK, GY)
			1.5	V-0 ((X))
			2.0	V-0 ((X))
			2.3	V-0 ((X))
			3.0	V-0, 5VA ((X))
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	960
			2.5	960
			1.5	960
			2.0	960
			2.3	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	825
			2.5	825
			1.5	825
			2.0	825
			2.3	825
			3.0	825
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.00 MPa)	ISO 75-2	°C	-	-

ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-