

Component - Plastics

E207780

Guide Information

SABIC JAPAN L L C

PACIFIC GRADES - RESIN, 2-2 KINUGAOKA, MOKA-SHI TOCHIGI-KEN 321-4392 JP

EXL5689(IA)(f2)

PC/Siloxane, glass reinforced "Lexan", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	3	4	130	120	130
	1.0	HB	3	1	130	120	130
	1.1	HB	3	1	130	120	130
	1.2	V-1	3	1	130	120	130
	1.5	V-0	3	1	130	120	130
	3.0	V-0	2	1	130	120	130

Comparative Tracking Index (CTI): 3
Dielectric Strength (kV/mm): 27

Inclined Plane Tracking (IPT) kV: 1
Volume Resistivity (10^x ohm-cm): 15

High-Voltage Arc Tracking Rate (HVTR): 4

High Volt, Low Current Arc Resis
(D495): -

Dimensional Stability (%): -

(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.

IA - Inclined Plane Tracking per UL746A, average time to track at 1.0 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.

Report

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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB75 (ALL)
			1.0	HB75 (ALL)
			1.1	HB75 (ALL)
			1.2	V-1 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0 (ALL)
			Glow-Wire Flammability (GWFI)	IEC 60695-2-12
1.0	825			
1.1	960			
1.2	960			
1.5	960			
3.0	960			
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C		
			1.0	825
			1.1	825
			1.2	825
			1.5	825
			3.0	825
			IEC Comparative Tracking Index	IEC 60112
IEC Ball Pressure	IEC 60695-10-2	°C	-	125
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	-	-