

Component - Plastics

E61257

SABIC INNOVATIVE PLASTICS US L L C

SHEET & FILM PRODUCTS - AMERICAS, 1 PLASTICS AVE, PITTSFIELD MA 01201

FR6, FR60 (GG), FR63 (GG), FR65 (GG), FR6+, FR700, FR7+, FR8+, FR25A

Polycarbonate (PC), "Lexan", furnished as films and sheets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
CL	0.051	VTM-0	-	-	80	80	80
CL, BK	0.13	VTM-0	-	-	80	80	80
ALL	0.23	V-0	1	0	130	125	130
	0.38	V-0	0	0	130	125	130
	0.51	V-0	0	0	130	125	130
	3.0	V-0	-	-	130	125	130

Comparative Tracking Index (CTI): **3**

Dimensional Stability (%): -

High-Voltage Arc Tracking Rate (HVTR): **4**

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

Dielectric Strength (kV/mm): **66**

Volume Resistivity (10xohm-cm): -

(GG) - Represents a global grade as covered in Recognized Component File E255088

+ - Material designation may be suffixed with a combination of numbers and/or letters.

NOTE - Material designations may be suffixed with a combination of numbers and/or letters.

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL94 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 ULI.

Report Date: 1983-01-11
Last Revised: 2008-01-03

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thickness Tested (mm)	Value
IEC Flammability	IEC 60695-11-10	Class (color)	0.051	VTM-0 (CL)
			0.13	VTM-0 (CL, BK)
			0.23	V-0 (ALL)
			0.38	V-0 (ALL)
			0.51	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWF)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	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/m2	-	-
ISO Izod Impact	ISO 180	kJ/m2	-	-
ISO Charpy Impact	ISO 179-2	kJ/m2	-	-

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