

Component - Plastics

E121562

Guide Information

SABIC INNOVATIVE PLASTICS US L L C

AMERICAS - RESIN, 1 PLASTICS AVE, PITTSFIELD MA 01201-3662

3412R

Polycarbonate (PC), glass reinforced "Lexan", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BK	0.75	HB	-	-	80	80	80
	1.0	HB	-	-	80	80	80
ALL	1.5	V-1	0	4	130	125	130
	1.6	V-1	0	4	130	125	130
	3.0	V-0, 5VA	0	4	130	130	130
	6.0	V-0, 5VA	0	4	130	130	130

Comparative Tracking Index (CTI): 5

Dielectric Strength (kV/mm): 34

High-Voltage Arc Tracking Rate (HVTR): 3

Dimensional Stability (%): 0.17

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 10High Volt, Low Current Arc Resis
(D495): 7

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, IEC 60695-11-20	Class (color)	0.75	HB75 (BK)
			1.0	HB75 (BK)
			1.5	V-1 (ALL)
			1.6	V-1 (ALL)
			3.0	V-0, 5VA (ALL)
			6.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	960
			1.5	960
			1.6	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	875
			1.5	875
			1.6	875
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/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-