Component - Plastics E207780

Guide Information

SABIC JAPAN L L C

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

945 (GG)

Polycarbonate (PC), flame retardant "Lexan", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.8	V-2	3	4	130	120	125
	1.0	V-0	3	3	130	120	125
	1.2	V-0	3	3	130	120	125
	1.5	V-0	3	3	130	120	125
	3.0	V-0, 5VA	2	3	130	120	130

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 33

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 15

High Volt, Low Current Arc Resis (D495): 7

(GG) - Denotes a global grade formulation previously in File E161759.

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.

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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)	0.8	V-2 (ALL)
			1.0	V-0 (ALL)
			1.2	V-0 (ALL)
			1.5	V-0 (ALL)
			3.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.8	825
			1.0	825
			1.2	825
			1.5	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.8	800
			1.0	800
			1.2	800
			1.5	800
			3.0	850
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
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	-	-