

## UL Certification

<b>INFINO</b>	Grade	SC-1100R
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Component - Plastics

E115797

Guide Information

### LOTTE ADVANCED MATERIALS CO LTD

56 Gosan-ro, Uiwang-si Gyeonggi-do 437-711 KR

#### SC-110(+)

Polycarbonate (PC) "INFINO", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HA	RTI Elec	RTI Imp	RTI Str
NC	0.75	V-2	-	-	80	80	80
ALL	1.5	V-2	3	0	80	80	80
	2.0	V-2	3	0	80	80	80
	2.5	V-2	2	0	80	80	80
	3.0	V-2	2	0	80	80	80

Comparative Tracking Index (CTI): -

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10<sup>8</sup> ohm-cm): -

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

(+) - May be replaced by one, two, or three numbers and/or letter(s)

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	Class (color)	0.75	V-2 (NC)
			1.5	V-2 (ALL)
			2.0	V-2 (ALL)
			2.5	V-2 (ALL)
			3.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.5	875
			2.0	875
			2.5	875
			3.0	925
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.5	875
			2.0	900
			2.5	900
			3.0	900
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	136
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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-