UL Certification

INFINO	Grade	SC-1220UR

Component - Plastics E115797

Guide Information

LOTTE ADVANCED MATERIALS CO LTD

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

SC-122(+)

Polycarbonate (PC) "INFINO", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	V-2	3	0	80	80	80
	1.5	V-2	3	0	80	80	80
	2.0	V-2	3	0	80	80	80
	2.5	V-2	3	0	80	80	80
	3.0	V-2	2	0	80	80	80
NC	3.2	V-2	-	-	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^x 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.

Report Date: 1998-08-24
Last Revised: 2017-05-22

IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-2 (ALL)
			1.5	V-2 (ALL)
			2.0	V-2 (ALL)
			2.5	V-2 (ALL)
			3.0	V-2 (ALL)
			3.2	V-2 (NC)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.5	900
			2.5	925
			3.2	925
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.5	800
			2.5	825
			3.2	850
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	-	-