

ISO Property | LOTTE Advanced Materials

INFINO	Grade	SC-1220UR
	Resin Type	PC

General, Lighting & Wiring Device Cover

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.2
Melt Flow Index	ISO 1133	300°C, 1.2kg	g/10min	20
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	63
Flexural Strength	ISO 178	2mm/min	MPa	90
Flexural Modulus	ISO 178	2mm/min	MPa	2260
Rockwell Hardness	ISO 2039-2	R-scale	-	120
Thermal				
Heat Deflection Temperature (Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	125

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

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※ The last update date : 07/10/2015

UL Certification | LOTTE Advanced Materials

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Component - Plastics [\[guide info\]](#)

E115797

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SC-122(+)

Polycarbonate (PC), "INFINO", furnished as pellets

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

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

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

High-Voltage Arc Tracking Rate (HVTR): -

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

Dimensional Stability (%): -

(+) - 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

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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 (ALL)
			1.5	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	-	-