

UL Certification | LOTTE Advanced Materials

| | | |
|---------------|-------|-----------|
| INFINO | Grade | SC-1100UR |
|---------------|-------|-----------|

Component - Plastics [\[guide info\]](#) **E115797**

LOTTE ADVANCED MATERIALS CO LTD

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SC-110(+)

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

| Color | Min Thk (mm) | Flame Class | HWI | | RTI | | RTI Str |
|-------|-----------------|----------------|-----|-----|------|-----|------------|
| | | | HWI | HAI | Elec | Imp | |
| 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): - 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.

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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 | - | - |
| 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 | - | - |

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