

**INFINO**

Grade

SC-122UR

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

| <u>Color</u> | <u>Min. Thk</u><br><u>(mm)</u> | <u>Flame</u><br><u>Class</u> | <u>HWI</u> | <u>HAI</u> | <u>RTI</u><br><u>Elec</u> | <u>RTI</u><br><u>Imp</u> | <u>RTI</u><br><u>Str</u> |
|--------------|--------------------------------|------------------------------|------------|------------|---------------------------|--------------------------|--------------------------|
| 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<sup>x</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.

Report Date: 1998-08-24

Last Revised: 2017-05-22

© 2019 UL LLC

**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 <sup>2</sup> | -        | -         |
| ISO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -        | -         |
| ISO Charpy Impact              | ISO 179-2       | kJ/m <sup>2</sup> | -        | -         |