

## UL Certification

|               |       |         |
|---------------|-------|---------|
| <b>INFINO</b> | Grade | TP-1029 |
|---------------|-------|---------|

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

E115797

**Lotte Advanced Materials Co Ltd**

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### TP-102(+)

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

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 0.80            | V-2            | -   | -   | 80          | 80         | 80         |
|       | 3.0             | 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): -

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.

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### IEC and ISO Test Methods

| Test Name                      | Test Method     | Units             | Thk (mm) | Value     |
|--------------------------------|-----------------|-------------------|----------|-----------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 0.80     | V-2 (ALL) |
|                                |                 |                   | 3.0      | V-2 (ALL) |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C                 | -        | -         |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13  | C                 | -        | -         |
| 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> | -        | -         |