

## UL Certification

|               |       |           |
|---------------|-------|-----------|
| <b>INFINO</b> | Grade | NH-1027HF |
|---------------|-------|-----------|

iq.ul.com

Component - Plastics [guide info]

E115797

### Lotte Advanced Materials Co Ltd

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

### NH-1027(+)

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), "INFINO", furnished as pellets

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 1.0             | V-1            | -   | -   | 60          | 60         | 60         |
|       | 1.2             | V-0            | -   | -   | 60          | 60         | 60         |
|       | 1.5             | V-0, 5VB       | -   | -   | 60          | 60         | 60         |
|       | 3.0             | V-0, 5VB       | -   | -   | 60          | 60         | 60         |

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: 1998-10-14

Last Revised: 2009-08-13

© 2016 UL LLC



### IEC and ISO Test Methods

| Test Name                      | Test Method                      | Units             | Thk (mm) | Value          |
|--------------------------------|----------------------------------|-------------------|----------|----------------|
| Flammability                   | IEC 60695-11-10, IEC 60695-11-20 | Class (color)     | 1.0      | V-1 (ALL)      |
|                                |                                  |                   | 1.2      | V-0 (ALL)      |
|                                |                                  |                   | 1.5      | V-0, 5VB (ALL) |
|                                |                                  |                   | 3.0      | V-0, 5VB (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> | -        | -              |