# Component - Plastics

File Number: E115797

## LOTTE CHEMICAL CORPORATION

56 Gosan-ro
Uiwang-si, Gyeonggi-do 16073 Republic of Korea

## INFINO: SC-1220R, SC-1220UR, SC-1222UR

Polycarbonate (PC), pellets

| Flammability | Value | Test Method |
|---|---|---|
| Flame Rating | | UL 94 |
| 0.75 mm, ALL | V-2 | |
| 1.5 mm, ALL | V-2 | |
| 2.0 mm, ALL | V-2 | |
| 2.5 mm, ALL | V-2 | |
| 3.0 mm, ALL | V-2 | |
| 3.2 mm, NC | V-2 | |
| Flammability Classification | | IEC 60695-11-10, -20 |
| 0.75 mm, ALL | V-2 | |
| 1.5 mm, ALL | V-2 | |
| 2.0 mm, ALL | V-2 | |
| 2.5 mm, ALL | V-2 | |
| 3.0 mm, ALL | V-2 | |
| 3.2 mm, NC | V-2 | |
| Glow Wire Flammability Index | | IEC 60695-2-12 |
| 1.5 mm | 900 °C | |
| 2.5 mm | 925 °C | |
| 3.2 mm | 925 °C | |
| Glow Wire Ignition Temperature | | IEC 60695-2-13 |
| 1.5 mm | 800 °C | |
| 2.5 mm | 825 °C | |
| 3.2 mm | 850 °C | |

| Electrical | Value | Test Method |
|---|---|---|
| Hot-wire Ignition (HWI) | | UL 746A |
| 0.75 mm | PLC 3 | |
| 1.5 mm | PLC 3 | |
| 2.0 mm | PLC 3 | |
| 2.5 mm | PLC 3 | |
| 3.0 mm | PLC 2 | |
| High Amp Arc Ignition (HAI) | | UL 746A |
| 0.75 mm | PLC 0 | |
| 1.5 mm | PLC 0 | |
| 2.0 mm | PLC 0 | |
| 2.5 mm | PLC 0 | |
| 3.0 mm | PLC 0 | |
| Comparative Tracking Index (CTI) | PLC 2 | UL 746A |
| Dielectric Strength | 24 kV/mm | ASTM D149 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2 | UL 746A |
| Volume Resistivity | 1.0E+15 ohms·cm | ASTM D257 |
| Volume Resistivity | 1.0E+15 ohms·cm | IEC 60093 |
| Arc Resistance | PLC 6 | ASTM D495 |



Form Number: E115797-100059837

UL LLC ©2025. All rights reserved. | www.ul.com

Report Date: 8/24/1998
Last Revised: 8/26/2024 11:52:32 PM

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.

| Thermal | Value | Test Method |
|---|---|---|
| RTI Elec | | UL 746B |
| 0.75 mm | 80.0 °C | |
| 1.5 mm | 80.0 °C | |
| 2.0 mm | 80.0 °C | |
| 2.5 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |
| 3.2 mm | 80.0 °C | |
| RTI Imp | | UL 746B |
| 0.75 mm | 80.0 °C | |
| 1.5 mm | 80.0 °C | |
| 2.0 mm | 80.0 °C | |
| 2.5 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |
| 3.2 mm | 80.0 °C | |
| RTI Str | | UL 746B |
| 0.75 mm | 80.0 °C | |
| 1.5 mm | 80.0 °C | |
| 2.0 mm | 80.0 °C | |
| 2.5 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |
| 3.2 mm | 80.0 °C | |

**Notice of Disclaimer**
By accessing this Yellow Card data information sheet and the database from which this information was generated (the “Yellow Card”), the user acknowledges and accepts the terms and conditions upon which this Yellow Card is made available. This Yellow Card, the database from which it was generated, and all related materials, support, and services, are made available by UL for use only by permission and "as is", without any representation or warranty of any kind, express or implied, including but not limited to any implied warranties of merchantability, fitness for a particular purpose or that the products identified in this Yellow Card will satisfy the user’s requirements. UL cannot and does not warrant that the data contained in this Yellow Card is current, accurate, or complete. The user must independently confirm the conformance of any product to the applicable standards or requirements with the manufacturer of that product. Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion. The identification of products and companies on this Yellow Card does not in any way imply endorsement of those products or companies by UL. UL does not assume and expressly disclaims, liability to any person for any loss or damage (including lost profits, lost savings, or any indirect, special, incidental, consequential or punitive damages whether or not UL has been advised of the possibility of such damages) arising out of, or in connection with, the use of this Yellow Card regardless of the cause or causes of such loss or damage.


UL LLC ©2025. All rights reserved. | www.ul.com


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.