



# Component - Plastics

File Number: E85371

## LOTTE CHEMICAL CORPORATION

14F-16F Lotte World Tower 300 Olympic-ro Songpa-gu, Seoul 05551 KR



## HOPELEX: PC-1150(+)

Polycarbonate (PC), pellets

(+) - Represents by one, two, three numbers and/or letters(s), except for U, UR, and UL

| Flammability                          | Value           | Test Method            |
|---------------------------------------|-----------------|------------------------|
| Flame Rating                          |                 | UL 94                  |
| 1.6 mm, ALL                           | V-2             | IEC 60695-11-10, -20   |
| 3.2 mm, ALL                           | V-2             |                        |
| Glow Wire Flammability Index          |                 | IEC 60695-2-12         |
| 1.6 mm                                | 900 °C          |                        |
| 3.2 mm                                | 960 °C          |                        |
| Glow Wire Ignition Temperature        |                 | IEC 60695-2-13         |
| 1.6 mm                                | 900 °C          |                        |
| 3.2 mm                                | 900 °C          |                        |
| Electrical                            | Value           | Test Method            |
| Hot-wire Ignition (HWI)               |                 | UL 746                 |
| 1.6 mm                                | PLC 3           |                        |
| 3.2 mm                                | PLC 3           |                        |
| High Amp Arc Ignition (HAI)           |                 | UL 746                 |
| 1.6 mm                                | PLC 0           |                        |
| 3.2 mm                                | PLC 0           |                        |
| Comparative Tracking Index (CTI)      | PLC 0           | UL 746                 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 0           | UL 746                 |
| Volume Resistivity                    | 1.0E+17 ohms·cm | ASTM D257<br>IEC 60093 |
| Arc Resistance                        | PLC 5           | ASTM D495              |
| Thermal                               | Value           | Test Method            |
| RTI Elec                              |                 | UL 746                 |
| 1.6 mm                                | 130 °C          |                        |
| 3.2 mm                                | 130 °C          |                        |
| RTI Imp                               |                 | UL 746                 |
| 1.6 mm                                | 125 °C          |                        |
| 3.2 mm                                | 130 °C          |                        |
| RTI Str                               |                 | UL 746                 |
| 1.6 mm                                | 125 °C          |                        |
| 3.2 mm                                | 130 °C          |                        |

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