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Component - Plastics

**Guide Information** 

## **TEIJIN LIMITED RESIN AND PLASTIC**

ENVIRONMENT QUALITY ASSURANCE DEPT, DIV 1, KASUMIGASEKI COMMON GATE, WEST TOWER, 2-1, KASUMIGASEKI 3-CHOME, CHIYODA-KU TOKYO 100-8585 JP

## L-1250U(#)(f1), L-1250V(#)(f1), L-1250Z(#)(f1)

Polycarbonate (PC) "Panlite", furnished as pellets, powder

|              | Min. Thk    | <u>Flame</u> |            |            | <u>RTI</u>  | <u>RTI</u> | <u>RTI</u> |
|--------------|-------------|--------------|------------|------------|-------------|------------|------------|
| <u>Color</u> | <u>(mm)</u> | <u>Class</u> | <u>HWI</u> | <u>HAI</u> | <u>Elec</u> | <u>lmp</u> | <u>Str</u> |
| ALL          | 0.40        | V-2          | 4          | 3          | 80          | 80         | 80         |
|              | 0.75        | V-2          | 4          | 3          | 125         | 115        | 125        |
|              | 0.84        | V-2          | 4          | 3          | 125         | 115        | 125        |
|              | 1.5         | HB           | 4          | 0          | 125         | 115        | 125        |
|              | 3.0         | HB           | 1          | 0          | 125         | 115        | 125        |
|              | 6.0         | HB           | 1          | 0          | 125         | 115        | 125        |

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 24

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10<sup>x</sup> ohm-cm): 16

Surface Resistivity (10<sup>x</sup> ohms/square): -

High Volt, Low Current Arc Resis (D495): 5

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: 1990-09-24 Last Revised: 2020-05-11

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| IEC and ISO Test Methods      |                 |                   |          |                |
|-------------------------------|-----------------|-------------------|----------|----------------|
| Test Name                     | Test Method     | Units             | Thk (mm) | Value          |
| Flammability                  | IEC 60695-11-10 | Class (color)     | 0.40     | V-2 (ALL)      |
|                               |                 |                   | 0.75     | V-2 (ALL)      |
|                               |                 |                   | 0.84     | V-2 (ALL)      |
|                               |                 |                   | 1.5      | HB, HB75 (ALL) |
|                               |                 |                   | 3.0      | HB, HB40 (ALL) |
|                               |                 |                   | 6.0      | HB, HB40 (ALL) |
| Glow-Wire Flammability (GWFI) | IEC 60695-2-12  | °C                | -        | -              |
| Glow-Wire Ignition (GWIT)     | IEC 60695-2-13  | °C                | -        | -              |
| EC Comparative Tracking Index | IEC 60112       | Volts (Max)       | -        | -              |
| EC Ball Pressure              | IEC 60695-10-2  | °C                | -        | -              |
| SO Heat Deflection (1.80 MPa) | ISO 75-2        | °C                | -        | -              |
| SO Tensile Strength           | ISO 527-2       | MPa               | -        | -              |
| SO Flexural Strength          | ISO 178         | MPa               | -        | -              |
| SO Tensile Impact             | ISO 8256        | kJ/m <sup>2</sup> | -        | -              |
| SO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -        | -              |
| SO Charpy Impact              | ISO 179-1       | kJ/m <sup>2</sup> | -        | -              |

<sup>(#) -</sup> Suffix optional

<sup>(</sup>f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.