

**TEIJIN POLYCARBONATE SINGAPORE PTE LTD**

#01-01, 111 SAKRA AVE, SINGAPORE 627881 SG

**L-1250(##)(f2)(r2)**

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

| Color | Min Thk<br>(mm) | Flame<br>Class | RTI |     | RTI  |     | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|------|-----|------------|
|       |                 |                | HWI | HAI | Elec | Imp |            |
| ALL   | 0.40            | V-2            | 4   | 3   | 80   | 80  | 80         |
|       | 0.84            | V-2            | 4   | 3   | 80   | 80  | 80         |
|       | 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**

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): **24**Volume Resistivity (10<sup>x</sup> ohm-cm) : **16**High-Voltage Arc Tracking Rate  
(HVTR): **4**High Volt, Low Current Arc Resis (D495): **5**

Dimensional Stability (%): 0

**(##)** - May be suffixed with one or two letters except for a single letter U, V or Z or the letters U, V or Z followed by another letter.

**(f2)** - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

**(r2)** - Virgin and regrind up to 100% by weight inclusive have the same flammability characteristics only in the range of 1.5mm to 3.0mm; no other properties for regrind 26 to 100% by weight inclusive have been determined; Regrind in the range of 26 to 100% are to have a 80C generic RTI.

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: 1999-07-29  
Last Revised: 2013-04-02

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**IEC and ISO Test Methods**

| Test Name                      | Test Method     | Units             | Thickness   |            |
|--------------------------------|-----------------|-------------------|-------------|------------|
|                                |                 |                   | Tested (mm) | Value      |
| Flammability                   | IEC 60695-11-10 | Class (color)     | 0.40        | V-2 (ALL)  |
|                                |                 |                   | 0.84        | V-2 (ALL)  |
|                                |                 |                   | 1.5         | HB75 (ALL) |
|                                |                 |                   | 3.0         | HB40 (ALL) |
|                                |                 |                   | 6.0         | HB40 (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> | -           | -          |