Component - Plastics E50075

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-1225(###)(f2)

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

| Color | Min. Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|---|---|---|---|---|---|---|---|
| ALL | 0.40 | V-2 | 4 | 3 | 80 | 80 | 80 |
| | 0.75 | V-2 | 3 | 1 | 125 | 115 | 125 |
| | 1.5 | V-2 | 3 | 1 | 125 | 115 | 125 |
| | 1.9 | HB | 3 | 1 | 125 | 115 | 125 |
| | 3.0 | HB | 2 | 1 | 125 | 115 | 125 |
| | 6.0 | HB | 1 | 1 | 125 | 115 | 125 |

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 30

High-Voltage Arc Tracking Rate (HVTR): 4

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity ($10^x$ ohm-cm): 16

Surface Resistivity ($10^x$ ohms/square): -

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

(###) - May be suffixed with any one letter or two letters, except for following one letter "U,V or Z", or two letters "LD, LL, LM, JM, ZL, ZE, or LS", or two letters started with "U, V or Z".

(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.

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: 1989-02-10

Last Revised: 2020-05-13



**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) |
| | | | 1.5 | V-2 (ALL) |
| | | | 1.9 | 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 | - | - |
| 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 | $kJ/m^2$ | - | - |
| ISO Izod Impact | ISO 180 | $kJ/m^2$ | - | - |
| ISO Charpy Impact | ISO 179-1 | $kJ/m^2$ | - | - |