



Component - Plastics

File Number: E50075

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



Panlite: GN-3610Z(#)(f1)

Polycarbonate (PC), Glass Reinforced, pellets

(#) - Suffix optional

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

| Flammability | Value | Test Method |
|----------------------------------|---------|----------------------|
| Flame Rating | | UL 94 |
| 0.40 mm, ALL | V-2 | |
| 1.0 mm, ALL | V-1 | |
| 1.6 mm, ALL | V-0 | |
| 3.0 mm, ALL | V-0 | |
| Flammability Classification | | IEC 60695-11-10, -20 |
| 1.6 mm, ALL | V-0 | |
| 3.0 mm, ALL | V-0 | |
| 1.0 mm, ALL | V-1 | |
| 0.40 mm, ALL | V-2 | |
| Glow Wire Flammability Index | | IEC 60695-2-12 |
| 1.0 mm | 960 °C | |
| 1.6 mm | 960 °C | |
| 3.0 mm | 960 °C | |
| Glow Wire Ignition Temperature | | IEC 60695-2-13 |
| 1.0 mm | 825 °C | |
| 1.6 mm | 850 °C | |
| 3.0 mm | 850 °C | |
| Electrical | Value | Test Method |
| Hot-wire Ignition (HWI) | | UL 746 |
| 1.0 mm | PLC 2 | |
| 1.6 mm | PLC 1 | |
| 3.0 mm | PLC 0 | |
| High Amp Arc Ignition (HAI) | | UL 746 |
| 0.40 mm | PLC 1 | |
| 1.0 mm | PLC 1 | |
| 1.6 mm | PLC 1 | |
| 3.0 mm | PLC 1 | |
| Comparative Tracking Index (CTI) | PLC 3 | UL 746 |
| Thermal | Value | Test Method |
| RTI Elec | | UL 746 |
| 0.40 mm | 80.0 °C | |
| 1.0 mm | 80.0 °C | |
| 1.6 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |

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| Thermal | Value | Test Method |
|-------------------------------------|---------|----------------|
| RTI Imp | | UL 746 |
| 0.40 mm | 80.0 °C | |
| 1.0 mm | 80.0 °C | |
| 1.6 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |
| RTI Str | | UL 746 |
| 0.40 mm | 80.0 °C | |
| 1.0 mm | 80.0 °C | |
| 1.6 mm | 80.0 °C | |
| 3.0 mm | 80.0 °C | |
| Ball Pressure Test (125°C, 3.00 mm) | Pass | IEC 60695-10-2 |
| Physical | Value | Test Method |
| Outdoor Suitability | f1 | UL 746C |

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