



# 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 Japan



### Panlite: G-34(mm)F(b)

Polycarbonate (PC), pellets, glass reinforced

(b) - may be suffixed with any one or two letters except A.

(mm) - 15 through 30.

| Flammability                          | Value   | Test Method          |
|---------------------------------------|---------|----------------------|
| Flame Rating                          |         | UL 94                |
| 0.43 mm, ALL                          | HB      |                      |
| 0.8 mm, ALL                           | V-2     |                      |
| 1.5 mm, ALL                           | V-2     |                      |
| 3.0 mm, ALL                           | V-1     |                      |
| Flammability Classification           |         | IEC 60695-11-10, -20 |
| 0.43 mm, ALL                          | HB75    |                      |
| 3.0 mm, ALL                           | V-1     |                      |
| 0.8 mm, ALL                           | V-2     |                      |
| 1.5 mm, ALL                           | V-2     |                      |
| Electrical                            | Value   | Test Method          |
| Hot-wire Ignition (HWI)               |         | UL 746A              |
| 0.43 mm                               | PLC 0   |                      |
| 0.8 mm                                | PLC 2   |                      |
| 1.5 mm                                | PLC 2   |                      |
| 3.0 mm                                | PLC 2   |                      |
| High Amp Arc Ignition (HAI)           |         | UL 746A              |
| 0.43 mm                               | PLC 4   |                      |
| 0.8 mm                                | PLC 4   |                      |
| 1.5 mm                                | PLC 0   |                      |
| 3.0 mm                                | PLC 0   |                      |
| Comparative Tracking Index (CTI)      | PLC 3   | UL 746A              |
| High Voltage Arc Tracking Rate (HVTR) | PLC 4   | UL 746A              |
| Arc Resistance                        | PLC 6   | ASTM D495            |
| Thermal                               | Value   | Test Method          |
| RTI Elec                              |         | UL 746B              |
| 0.43 mm                               | 80.0 °C |                      |
| 0.8 mm                                | 80.0 °C |                      |
| 1.5 mm                                | 130 °C  |                      |
| 3.0 mm                                | 130 °C  |                      |
| RTI Imp                               |         | UL 746B              |
| 0.43 mm                               | 80.0 °C |                      |
| 0.8 mm                                | 80.0 °C |                      |
| 1.5 mm                                | 125 °C  |                      |
| 3.0 mm                                | 125 °C  |                      |



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| Thermal | Value   | Test Method |
|---------|---------|-------------|
| RTI Str |         | UL 746B     |
| 0.43 mm | 80.0 °C |             |
| 0.8 mm  | 80.0 °C |             |
| 1.5 mm  | 130 °C  |             |
| 3.0 mm  | 130 °C  |             |

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