



## Component - Plastics

File Number: E98529

### TEIJIN LIMITED RESIN AND PLASTIC

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



### Panlite: MN-3600H(#)

Polycarbonate (PC), pellets

(#) - Suffix optional

| Flammability                     | Value           | Test Method          |
|----------------------------------|-----------------|----------------------|
| Flame Rating                     |                 | UL 94                |
| 0.45 mm, ALL                     | HB              |                      |
| 1.0 mm, ALL                      | V-1             |                      |
| 1.5 mm, ALL                      | V-0             |                      |
| 2.0 mm, ALL                      | V-0, 5VB        |                      |
| 3.0 mm, ALL                      | V-0, 5VA        |                      |
| Flammability Classification      |                 | IEC 60695-11-10, -20 |
| 0.45 mm, ALL                     | HB75            |                      |
| 1.5 mm, ALL                      | V-0             |                      |
| 2.0 mm, ALL                      | V-0, 5VB        |                      |
| 3.0 mm, ALL                      | V-0, 5VA        |                      |
| 1.0 mm, ALL                      | V-1             |                      |
| Glow Wire Flammability Index     |                 | IEC 60695-2-12       |
| 1.0 mm                           | 960 °C          |                      |
| 1.5 mm                           | 930 °C          |                      |
| 2.0 mm                           | 960 °C          |                      |
| 3.0 mm                           | 930 °C          |                      |
| Glow Wire Ignition Temperature   |                 | IEC 60695-2-13       |
| 1.0 mm                           | 875 °C          |                      |
| 1.5 mm                           | 825 °C          |                      |
| 2.0 mm                           | 825 °C          |                      |
| 3.0 mm                           | 825 °C          |                      |
| Electrical                       | Value           | Test Method          |
| Hot-wire Ignition (HWI)          |                 | UL 746               |
| 1.0 mm                           | PLC 2           |                      |
| 1.5 mm                           | PLC 1           |                      |
| 2.0 mm                           | PLC 1           |                      |
| 3.0 mm                           | PLC 1           |                      |
| High Amp Arc Ignition (HAI)      |                 | UL 746               |
| 1.0 mm                           | PLC 0           |                      |
| 1.5 mm                           | PLC 0           |                      |
| 2.0 mm                           | PLC 0           |                      |
| 3.0 mm                           | PLC 0           |                      |
| Comparative Tracking Index (CTI) | PLC 3           | UL 746               |
| Volume Resistivity               | 1.0E+15 ohms·cm | ASTM D257            |
| Volume Resistivity               | 1.0E+15 ohms·cm | IEC 60093            |



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| Thermal                                  | Value   | Test Method    |
|------------------------------------------|---------|----------------|
| RTI Elec                                 |         | UL 746         |
| 0.45 mm                                  | 80.0 °C |                |
| 1.0 mm                                   | 80.0 °C |                |
| 1.5 mm                                   | 95.0 °C |                |
| 2.0 mm                                   | 95.0 °C |                |
| 3.0 mm                                   | 95.0 °C |                |
| RTI Imp                                  |         | UL 746         |
| 0.45 mm                                  | 80.0 °C |                |
| 1.0 mm                                   | 80.0 °C |                |
| 1.5 mm                                   | 95.0 °C |                |
| 2.0 mm                                   | 95.0 °C |                |
| 3.0 mm                                   | 95.0 °C |                |
| RTI Str                                  |         | UL 746         |
| 0.45 mm                                  | 80.0 °C |                |
| 1.0 mm                                   | 80.0 °C |                |
| 1.5 mm                                   | 95.0 °C |                |
| 2.0 mm                                   | 95.0 °C |                |
| 3.0 mm                                   | 95.0 °C |                |
| Ball Pressure Test (125°C, 3.00 mm)      | Pass    | IEC 60695-10-2 |
| Heat Deflection Temperature <sup>1</sup> |         | ISO 75-2/A     |
| 1.8 MPa, Unannealed                      | 123 °C  |                |
| <b>Notes</b>                             |         |                |
| <sup>1</sup> 4 mm                        |         |                |

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