



## Component - Plastics

File Number: E245526

### TEIJIN POLYCARBONATE CHINA LTD

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888 Yashan W Rd  
Jiaxing, Zhejiang 314201 China

### Panlite: L-1225LL

Polycarbonate (PC), pellets, powder



| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 3.3 mm, ALL                           | HB              |                      |
| 6.0 mm, ALL                           | HB              |                      |
| 0.40 mm, ALL                          | V-2             |                      |
| 0.75 mm, ALL                          | V-2             |                      |
| 1.5 mm, ALL                           | V-2             |                      |
| 3.0 mm, ALL                           | V-2             |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 3.3 mm, ALL                           | HB40            |                      |
| 6.0 mm, ALL                           | HB40            |                      |
| 0.40 mm, ALL                          | V-2             |                      |
| 0.75 mm, ALL                          | V-2             |                      |
| 1.5 mm, ALL                           | V-2             |                      |
| 3.0 mm, ALL                           | V-2             |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746A              |
| 0.40 mm                               | PLC 4           |                      |
| 0.75 mm                               | PLC 3           |                      |
| 1.5 mm                                | PLC 3           |                      |
| 3.0 mm                                | PLC 3           |                      |
| 3.3 mm                                | PLC 2           |                      |
| 6.0 mm                                | PLC 1           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746A              |
| 0.40 mm                               | PLC 3           |                      |
| 0.75 mm                               | PLC 1           |                      |
| 1.5 mm                                | PLC 1           |                      |
| 3.0 mm                                | PLC 1           |                      |
| 3.3 mm                                | PLC 1           |                      |
| 6.0 mm                                | PLC 1           |                      |
| Comparative Tracking Index (CTI)      | PLC 2           | UL 746A              |
| Dielectric Strength                   | 30 kV/mm        | ASTM D149            |
| High Voltage Arc Tracking Rate (HVTR) | PLC 2           | UL 746A              |
| Volume Resistivity                    | 1.0E+16 ohms-cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+16 ohms-cm | IEC 60093            |
| Arc Resistance                        | PLC 5           | ASTM D495            |



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| Thermal            | Value   | Test Method |
|--------------------|---------|-------------|
| RTI Elec           |         | UL 746B     |
| 0.40 mm            | 80.0 °C |             |
| 0.75 mm            | 125 °C  |             |
| 1.5 mm             | 125 °C  |             |
| 3.0 mm             | 125 °C  |             |
| 3.3 mm             | 125 °C  |             |
| 6.0 mm             | 125 °C  |             |
| RTI Imp            |         | UL 746B     |
| 0.40 mm            | 80.0 °C |             |
| 0.75 mm            | 115 °C  |             |
| 1.5 mm             | 115 °C  |             |
| 3.0 mm             | 115 °C  |             |
| 3.3 mm             | 115 °C  |             |
| 6.0 mm             | 115 °C  |             |
| RTI Str            |         | UL 746B     |
| 0.40 mm            | 80.0 °C |             |
| 0.75 mm            | 125 °C  |             |
| 1.5 mm             | 125 °C  |             |
| 3.0 mm             | 125 °C  |             |
| 3.3 mm             | 125 °C  |             |
| 6.0 mm             | 125 °C  |             |
| Physical           | Value   | Test Method |
| Dimensional Change | 0.0 %   | ASTM D1042  |
| Dimensional Change | 0.0 %   | ISO 2796    |

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