

**Sumika Polycarbonate Limited**

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File Number: E123529

**876-20**

Polycarbonate (PC), pellets



| Flammability                     | Value           | Test Method                   |
|----------------------------------|-----------------|-------------------------------|
| Flame Rating                     |                 | UL 94<br>IEC 60695-11-10, -20 |
| 1.2 mm, BK                       | V-0             |                               |
| 1.5 mm, ALL                      | V-0             |                               |
| 2.5 mm, ALL                      | V-0, 5VA        |                               |
| 3.0 mm, ALL                      | V-0, 5VA        |                               |
| Electrical                       | Value           | Test Method                   |
| Hot-wire Ignition (HWI)          |                 | UL 746A                       |
| 1.5 mm                           | PLC 3           |                               |
| 2.5 mm                           | PLC 3           |                               |
| 3.0 mm                           | PLC 2           |                               |
| High Amp Arc Ignition (HAI)      |                 | UL 746A                       |
| 1.5 mm                           | PLC 0           |                               |
| 2.5 mm                           | PLC 0           |                               |
| 3.0 mm                           | PLC 0           |                               |
| Comparative Tracking Index (CTI) | PLC 3           | UL 746A                       |
| Dielectric Strength              | 25 kV/mm        | ASTM D149                     |
| Volume Resistivity               | 1.0E+19 ohms·cm | ASTM D257<br>IEC 60093        |
| Arc Resistance                   | PLC 7           | ASTM D495                     |
| Thermal                          | Value           | Test Method                   |
| RTI Elec                         |                 | UL 746B                       |
| 1.2 mm                           | 80.0 °C         |                               |
| 1.5 mm                           | 125 °C          |                               |
| 2.5 mm                           | 125 °C          |                               |
| 3.0 mm                           | 125 °C          |                               |
| RTI Imp                          |                 | UL 746B                       |
| 1.2 mm                           | 80.0 °C         |                               |
| 1.5 mm                           | 125 °C          |                               |
| 2.5 mm                           | 125 °C          |                               |
| 3.0 mm                           | 125 °C          |                               |
| RTI Str                          |                 | UL 746B                       |
| 1.2 mm                           | 80.0 °C         |                               |
| 1.5 mm                           | 125 °C          |                               |
| 2.5 mm                           | 125 °C          |                               |
| 3.0 mm                           | 125 °C          |                               |

Component - Plastics

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| Physical           | Value | Test Method            |
|--------------------|-------|------------------------|
| Dimensional Change | 0.0 % | ASTM D1042<br>ISO 2796 |