

**Material Designation: PC701**

Product Description: Polycarbonate (PC), "STAR PRIME", furnished as pellets

| Color | Min. Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|------------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 1.5              | V-2            | 3   | 4   | 80          | 80         | 80         |
|       | 3.0              | V-2            | 2   | 4   | 80          | 80         | 80         |

Comparative Tracking Index (CTI): 3

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): 27

Volume Resistivity (10<sup>x</sup> ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 4

High Volt, Low Current Arc Resis (D495): 6

Dimensional Stability (%): 0

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliance, where the acceptability of the combination is determined by UL.

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**IEC and ISO Test Methods**

| Test Name                      | Test Method     | Units             | Thickness<br>Tested (mm) | Value     |
|--------------------------------|-----------------|-------------------|--------------------------|-----------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 1.5                      | V-2 (ALL) |
|                                |                 |                   | 3.0                      | V-2 (ALL) |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C                 | -                        | -         |
| Glow-Wire Ignition (GWI)       | IEC 60695-2-13  | C                 | -                        | -         |
| IEC Comparative Tracking Index | IEC 60112       | Volts (Max)       | -                        | -         |
| IEC Ball Pressure              | IEC 60695-10-2  | C                 | -                        | -         |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2        | C                 | -                        | -         |
| ISO Tensile Strength           | ISO 527-2       | MPa               | -                        | -         |
| ISO Flexural Strength          | ISO 178         | MPa               | -                        | -         |
| ISO Tensile Impact             | ISO 8256        | kJ/m <sup>2</sup> | -                        | -         |
| ISO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -                        | -         |
| ISO Charpy Impact              | ISO 179-2       | kJ/m <sup>2</sup> | -                        | -         |

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