

Material Designation: PC8001

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

| Color | Min. Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|-------|------------------|----------------|-----|-----|-------------|------------|------------|
| ALL | 1.5 | V-0 | - | - | 80 | 80 | 80 |
| | 3.0 | V-0 | - | - | 80 | 80 | 80 |

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^x ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

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

Dimensional Stability (%): -

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.

Report Date: 2014-02-11

Last Revised: 2014-02-10

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**IEC and ISO Test Methods**

| Test Name | Test Method | Units | Thickness Tested (mm) | | Value |
|--------------------------------|-----------------|-------------------|-----------------------|-----|-----------|
| | | | 1.5 | 3.0 | |
| Flammability | IEC 60695-11-10 | Class (color) | 1.5 | 3.0 | V-0 (ALL) |
| | | | | | V-0 (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 ² | - | - | - |
| ISO Izod Impact | ISO 180 | kJ/m ² | - | - | - |
| ISO Charpy Impact | ISO 179-2 | kJ/m ² | - | - | - |

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