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Component - Plastics

Guide Information

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E525490

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**BWRTIFO-ARF11**  
Polycarbonate (PC), furnished as film

| Color                                    | Min. Thk<br>(mm) | Flame<br>Class | HWI                                                  | HAI | RTI Elec<br>(°C) | RTI Imp<br>(°C) | RTI Str<br>(°C) |
|------------------------------------------|------------------|----------------|------------------------------------------------------|-----|------------------|-----------------|-----------------|
| NC, BK                                   | 0.05             | VTM-0          | 3                                                    | 0   | 80               | 80              | 80              |
|                                          | 0.25             | VTM-0          | 3                                                    | 0   | 80               | 80              | 80              |
|                                          | 0.251            | V-0            | 3                                                    | 0   | 80               | 80              | 80              |
|                                          | 1.0-1.1          | V-0            | 2                                                    | 0   | 80               | 80              | 80              |
| Comparative Tracking Index (CTI): 3      |                  |                | Inclined Plane Tracking (IPT) kV: -                  |     |                  |                 |                 |
| Dielectric Strength (kV/mm): -           |                  |                | Volume Resistivity (10 <sup>x</sup> ohm-cm): -       |     |                  |                 |                 |
| High-Voltage Arc Tracking Rate (HVTR): 4 |                  |                | Surface Resistivity (10 <sup>x</sup> ohms/square): - |     |                  |                 |                 |
| Dimensional Change (%): -                |                  |                | High Volt, Low Current Arc Resis (D495): 7           |     |                  |                 |                 |

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 appliances, where the acceptability of the combination is determined by UL.

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ALSO CERTIFIED TO  
IEC/ISO REQUIREMENTS

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| IEC and ISO Test Methods           |                           |                       |          |                |
|------------------------------------|---------------------------|-----------------------|----------|----------------|
| Test Name                          | Test Method               | Units                 | Thk (mm) | Value          |
| Flammability                       | ISO 9773, IEC 60695-11-10 | Class (color)         | 0.05     | VTM-0 (NC, BK) |
|                                    |                           |                       | 0.25     | VTM-0 (NC, BK) |
|                                    |                           |                       | 0.251    | V-0 (NC, BK)   |
|                                    |                           |                       | 1.0-1.1  | V-0 (NC, BK)   |
| Glow-Wire Flammability (GWFI)      | IEC 60695-2-12            | °C                    | -        | -              |
| Glow-Wire Ignition (GWIT)          | IEC 60695-2-13            | °C                    | -        | -              |
| IEC Comparative Tracking Index     | IEC 60112                 | Volts (Max)           | -        | -              |
| IEC AC Dielectric Strength (AC DS) | IEC 60243-1               | kV/mm                 | -        | -              |
| IEC DC Dielectric Strength (DC DS) | IEC 60243-2               | kV/mm                 | -        | -              |
| IEC Volume Resistivity (VR)        | IEC 62631-3-1             | 10 <sup>x</sup> ohm-m | -        | -              |
| IEC Surface Resistivity (SR)       | IEC 62631-3-2             | 10 <sup>x</sup> ohms  | -        | -              |
| IEC Inclined Plane Tracking (IPT)  | IEC 60587                 | kV                    | -        | -              |
| 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 179-1                 | kJ/m <sup>2</sup>     | -        | -              |