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Component - Plastics [\[guide info\]](#)

E45329

**SABIC INNOVATIVE PLASTICS B V**

EUROPE - RESIN, PLASTICSLAAN 1, BERGEN OP ZOOM 4612 PX NL

**925U(f1)(GG), 945U(f1)(GG), 955U(f1)(GG)**

Polycarbonate (PC), "Lexan", furnished as pellets

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| AO    | 1.5             | V-0            | 3   | 0   | 130         | 115        | 125        |
|       | 3.0             | V-0            | 2   | 0   | 130         | 120        | 130        |
|       | 6.0             | V-0            | 1   | 0   | 130         | 120        | 130        |

Comparative Tracking Index (CTI): 3

Dielectric Strength (kV/mm): 24

High-Voltage Arc Tracking Rate (HVTR): 3

Dimensional Stability (%): 0.1

Inclined Plane Tracking (IPT): -

Volume Resistivity (10<sup>8</sup> ohm-cm): 15

High Volt, Low Current Arc Resis (D495): 7

(GG) - Denotes a global grade formulation previously in File E161759.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

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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**IEC and ISO Test Methods**

| Test Name                      | Test Method     | Units             | Thk (mm) | Value    |
|--------------------------------|-----------------|-------------------|----------|----------|
| Flammability                   | IEC 60695-11-10 | Class (color)     | 1.5      | V-0 (AO) |
|                                |                 |                   | 3.0      | V-0 (AO) |
|                                |                 |                   | 6.0      | V-0 (AO) |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C                 | 1.5      | 960      |
|                                |                 |                   | 3.0      | 960      |
|                                |                 |                   | 6.0      | 960      |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13  | C                 | 1.5      | 800      |
|                                |                 |                   | 3.0      | 850      |
|                                |                 |                   | 6.0      | 850      |
| 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> | -        | -        |