

**SABIC INNOVATIVE PLASTICS B V**

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

**101(f2), 101R(f2), 121(f2), 121R(f2), 141(f2), 141R(f2)**

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

| Color | Min Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|-------|--------------|-------------|-----|-----|----------|---------|---------|
| ALL   | 0.7          | HB          | -   | -   | 115      | 115     | 115     |
|       | 1.1          | HB          | 3   | 2   | 115      | 115     | 115     |
|       | 1.5          | HB          | 3   | 0   | 130      | 125     | 125     |
|       | 3.0          | HB          | 2   | 1   | 130      | 130     | 130     |

Comparative Tracking Index (CTI):2

Dielectric Strength (kV/mm):25

High-Voltage Arc Tracking Rate (HVTR):2

Dimensional Stability (%):0

Inclined Plane Tracking (IPT):-

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

High Volt, Low Current Arc Resis (D495):2

(f2) -Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

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)     | 0.7      | HB75 (ALL) |
|                                |                 |                   | 1.1      | HB75 (ALL) |
|                                |                 |                   | 1.5      | HB75 (ALL) |
|                                |                 |                   | 3.0      | HB40 (ALL) |
| 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 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> | -        | -          |