

Component - Plastics

E45329

SABIC INNOVATIVE PLASTICS B V

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

505RU(f1)(GG)

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

| Color | Min Thk (mm) | Flame Class | | | RTI | RTI | RTI |
|-------|-----------------|----------------|-----|-----|------|-----|-----|
| | | | HWI | HAI | Elec | Imp | Str |
| ALL | 0.75 | V-2 | 3 | 1 | 130 | 125 | 125 |
| | 1.0 | V-2 | 3 | 1 | 130 | 125 | 125 |
| | 1.5 | V-0 | 3 | 0 | 130 | 125 | 125 |
| | 3.0 | V-0, 5VA | 2 | 0 | 130 | 130 | 130 |

Comparative Tracking Index (CTI): **3**

Dimensional Stability (%): -

High-Voltage Arc Tracking Rate
(HVTR): -

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

Dielectric Strength (kV/mm): -

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

Report Date: 1977-11-21
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**IEC and ISO Test Methods**

| Test Name | Test Method | Units | Thickness | |
|----------------------------------|----------------------------------|-------------------|----------------|-------------------|
| | | | Tested (mm) | Value |
| Flammability | IEC 60695-11-10, IEC 60695-11-20 | Class (color) | 0.75 | V-2 (ALL) |
| | | | 1.0 | V-2 (ALL) |
| | | | 1.5 | V-0 (ALL) |
| | | | 3.0 | V-0, 5VA (ALL) |
| Glow-Wire Flammability (GWFI) | IEC 60695-2-12 | C | 0.75 | 960 |
| | | | 1.0 | 960 |
| | | | 1.5 | 960 |
| | | | 3.0 | 960 |
| Glow-Wire Ignition (GWIT) | IEC 60695-2-13 | C | 0.75 | 850 |
| | | | 1.0 | 850 |
| | | | 1.5 | 875 |
| | | | 3.0 | 875 |
| 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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