

Component - Plastics

E45329

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 | | | | | Inclined Plane Tracking (IPT) kV: - | | |
| Dielectric Strength (kV/mm): 25 | | | | | Volume Resistivity (10 ^x ohm-cm): 15 | | |
| High-Voltage Arc Tracking Rate (HVTR): 2 | | | | | Surface Resistivity (10 ^x ohms/square): - | | |
| Dimensional Stability (%): 0 | | | | | High Volt, Low Current Arc Resis (D495): 6 | | |

(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.

Report Date: 1977-11-21
Last Revised: 2021-03-18

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Warranties:
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NORWE GmbH

Postfach 13 56
51691 Bergneustadt
Paulstraße 5, Pernze
51702 Bergneustadt
Deutschland
Telefon +49 (0) 27 63-807-0
Telefax +49 (0) 27 63-807-77
E-mail verkauf@norwe.de
Internet www.norwe.de
www.norwe.eu

NORWE Inc.

P.O. Box 25 11
North Canton, OH 44720-0511
United States of America
Telefon +1-330 497-8113
Telefax +1-330 305-0592
E-mail usa@norwe.com
Internet www.norwe.com



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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 | HB, HB75 (ALL) |
| | | | 1.1 | HB, HB75 (ALL) |
| | | | 1.5 | HB, HB75 (ALL) |
| | | | 3.0 | HB, 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 ² | - | - |
| ISO Izod Impact | ISO 180 | kJ/m ² | - | - |
| ISO Charpy Impact | ISO 179-1 | kJ/m ² | - | - |

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Deutschland
Telefon +49 (0) 27 63-807-0
Telefax +49 (0) 27 63-807-77
E-mail verkauf@norwe.de
Internet www.norwe.de
www.norwe.eu

NORWE Inc.

P.O. Box 25 11
North Canton, OH 44720-0511
United States of America
Telefon +1-330 497-8113
Telefax +1-330 305-0592
E-mail usa@norwe.com
Internet www.norwe.com



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