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View additional material information including performance and processing data

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

E507751

Component - Plastics

[Guide Information](#)

**Röhm GmbH**

Dolivostraße 17, Darmstadt 64293 DE

**df23-7H**

Polymethyl Methacrylate (PMMA) "Plexiglas", furnished as pellets

| <u>Color</u> | <u>Min. Thk (mm)</u> | <u>Flame Class</u> | <u>HWI</u> | <u>HAI</u> | <u>RTI Elec</u> | <u>RTI Imp</u> | <u>RTI Str</u> |
|--------------|----------------------|--------------------|------------|------------|-----------------|----------------|----------------|
| NC           | 1.5                  | HB                 | -          | -          | 50              | 50             | 50             |
|              | 3.9                  | HB                 | -          | -          | 50              | 50             | 50             |

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): -

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

High-Voltage Arc Tracking Rate (HVTR): -

Surface Resistivity (10<sup>x</sup> ohms/square): -

Dimensional Stability (%): -

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

NOTE - In the US, EVONIK ROEHM GMBH uses the designation "ACRYLITE or ROHAGLAS" instead of "PLEXIGLAS". In China, EVONIK ROEHM GMBH uses the designation "PLEXIGLAS or ROHAGLAS" instead of "ACRYLITE".

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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| <b>IEC and ISO Test Methods</b> |                 |                   |          |               |
|---------------------------------|-----------------|-------------------|----------|---------------|
| Test Name                       | Test Method     | Units             | Thk (mm) | Value         |
| Flammability                    | IEC 60695-11-10 | Class (color)     | 1.5      | HB, HB75 (NC) |
|                                 |                 |                   | 3.9      | HB, HB40 (NC) |
| 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 179-1       | kJ/m <sup>2</sup> | -        | -             |