

## Technical Data Sheet

## Trovidur® EC Clad white

PVC-U

### Typical characteristics

- Fire protection according to EN 13501 B - s3, d0
- Good impact strength
- Good weldability
- Good glueability
- Chemical resistant
- Easy processing

### Typical industries

- 건설업
- Clean-Room Technology
- Healthcare
- Food Industry
- 화학 가공 산업

|                                            | Test method       | Unit                | Guideline value |
|--------------------------------------------|-------------------|---------------------|-----------------|
| <b>General properties</b>                  |                   |                     |                 |
| Density                                    | DIN EN ISO 1183-1 | g / cm <sup>3</sup> | 1,44            |
| Water absorption                           | DIN EN ISO 62     | %                   | 0,2             |
| Flammability (Thickness 1 mm ... 3 mm)     | NF P 92-501       |                     | M1              |
| Flammability (Thickness 2,5 mm)            | BS 476 Part 6     |                     | Class 0         |
| Flammability (Thickness 2,5 mm)            | BS 476 Part 7     |                     | Class 1         |
| Flammability (Thickness 1,9 mm ... 2,5 mm) | EN 13501-1        |                     | B s3 d0         |
| Flammability (Thickness 1,7 mm ... 3 mm)   | UL 94             |                     | V0              |
| <b>Mechanical properties</b>               |                   |                     |                 |
| Yield stress                               | DIN EN ISO 527    | MPa                 | 50              |
| Elongation at break                        | DIN EN ISO 527    | %                   | 20              |
| Tensile modulus of elasticity              | DIN EN ISO 527    | MPa                 | 2800            |
| Notched impact strength                    | DIN EN ISO 179    | kJ / m <sup>2</sup> | 4               |
| Shore hardness                             | DIN EN ISO 868    | scale D             | 80              |
| Ball Hardness                              | ISO 2039          | MPa                 | 110             |
| Compressive strength                       | DIN EN ISO 604    | MPa                 | 65              |
| Bending strength                           | DIN EN ISO 178    | MPa                 | 70              |
| <b>Thermal properties</b>                  |                   |                     |                 |
| Thermal conductivity                       | DIN 52612-1       | W / (m * K)         | 0,16            |

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Page 1 / 2 (Dates in DD/MM/YYYY)



|                                                    | Test method             | Unit   | Guideline value   |
|----------------------------------------------------|-------------------------|--------|-------------------|
| Vicat softening temperature                        | DIN EN ISO 306, Vicat B | °C     | 75                |
| Service Temperature                                |                         | °C     | -15 ... +60       |
| Heat deflection temperature                        | DIN EN ISO 75           | °C     | 66                |
| Coefficient of linear thermal expansion            | DIN EN ISO 11359-2      | mm/m K | ~ 0,075           |
| <b>Electrical properties</b>                       |                         |        |                   |
| Dielectric constant                                | IEC 60250               |        | 3,20              |
| Dielectric dissipation factor (10 <sup>6</sup> Hz) | IEC 60250               |        | 0,02              |
| Volume resistivity                                 | DIN EN 62631-3-1        | Ω * cm | >10 <sup>15</sup> |
| Surface resistivity                                | DIN EN 62631-3-2        | Ω      | >10 <sup>13</sup> |

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

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Page 2 / 2 (Dates in DD/MM/YYYY)

