

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

- Building industry
- Clean-Room Technology
- Healthcare
- Food Industry
- Chemical Processing Industry

| | Test method | Unit | Guideline value |
|--------------------------------------------|-------------------------|---------------------|-----------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 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 |
| Mechanical properties | | | |
| 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 ² | 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 |
| Thermal properties | | | |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,16 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 75 |

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| | Test method | Unit | Guideline value |
|----------------------------------------------------|--------------------|--------|-------------------|
| 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 |
| Electrical properties | | | |
| Dielectric constant | IEC 60250 | | 3,20 |
| Dielectric dissipation factor (10 ⁶ Hz) | IEC 60250 | | 0,02 |
| Volume resistivity | DIN EN 62631-3-1 | Ω * cm | >10 ¹⁵ |
| Surface resistivity | DIN EN 62631-3-2 | Ω | >10 ¹³ |

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)

