

Technical Data Sheet

Trovidur[®] EC Clad LS

Typical characteristics

- Fire protection according to EN 13501 B - s2, d0
- Good impact strength
- Good weldability and glueability
- Chemical resistance
- Easy processing

Typical industries

- Stavební průmysl

| | Test method | Unit | Guideline value |
|--|-------------------------|----------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 1,44 |
| Water absorption | DIN EN ISO 62 | % | 1,0 |
| Flammability | UL 94 | | V0 |
| Flammability | ASTM E 84 | | Class 1/A - 2,5 mm |
| Flammability | EN 13501 | | B - s2, d0 |
| 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 | 2700 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | 4 |
| Thermal properties | | | |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,18 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 60-80 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 75 |
| Flammability properties | | | |
| Electrical properties | | | |
| Dielectric constant | IEC 60250 | | 3,20 |
| Dielectric dissipation factor (10 ⁶ Hz) | IEC 60250 | | 0,02 |



| | Test method | Unit | Guideline value |
|---------------------|------------------|--------------------------|-----------------|
| Volume resistivity | DIN EN 62631-3-1 | $\Omega \cdot \text{cm}$ | $>10^{15}$ |
| Surface resistivity | DIN EN 62631-3-2 | | $>10^{13}$ |

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.

