

Technical Data Sheet

Trovidur[®] EPC grey

Typical characteristics

- Corrosion resistance
- Good weldability and glueability
- Easy processing

Typical industries

- Výroba nádrží a zařízení pro chemický 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 | % | 0,2 |
| Flammability from 4 mm | UL 94 | | V0 |
| Flammability (Thickness 4 mm) | DIN 4102 | | B1 |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 52 |
| 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 | 81 |
| Ball Hardness | ISO 2039 | MPa | 110 |
| Compressive strength | DIN EN ISO 604 | MPa | 75 |
| Bending strength | DIN EN ISO 178 | MPa | 80 |
| Thermal properties | | | |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,16 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 76 |
| Service Temperature | | °C | -15 ... +60 |
| Heat deflection temperature | DIN EN ISO 75 | °C | 68 |
| Coefficient of linear thermal expansion | DIN EN ISO 11359-2 | mm/m K | ~ 0,075 |
| Glow wire ignition temperature | DIN EN 60695-2-13 | °C | 990 |
| Glow wire flammability index | DIN EN 60695-2-12 | °C | 960 |



| | Test method | Unit | Guideline value |
|--|------------------|---------|-------------------|
| Electrical properties | | | |
| Dielectric constant | IEC 60250 | | 3,2 |
| 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 | | >10 ¹³ |
| Dielectric strength | IEC 60243 | kV / mm | 12 |
| Comparative tracking index | IEC 60112 | CTI | 600 |

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.

