

## Technical Data Sheet

## Trovidur® EPC white

PVC-U

### Typical characteristics

- Corrosion resistant
- Good weldability
- Good glueability
- Easy processing

### Typical industries

- 化学处理行业

|                                         | 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 from 4 mm                  | UL 94                   |                     | V0              |
| Flammability (Thickness 4 mm)           | DIN 4102                |                     | B1              |
| <b>Mechanical properties</b>            |                         |                     |                 |
| 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 <sup>2</sup> | 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              |
| <b>Thermal properties</b>               |                         |                     |                 |
| 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 tempearture          | DIN EN 60695-2-13       | °C                  | 990             |
| Glow wire flammability index            | DIN EN 60695-2-12       | °C                  | 960             |

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|                                                    | Test method      | Unit    | Guideline value   |
|----------------------------------------------------|------------------|---------|-------------------|
| <b>Electrical properties</b>                       |                  |         |                   |
| Dielectric constant                                | IEC 60250        |         | 3,2               |
| 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> |
| 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.



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