# Technical Data Sheet

## TroBloc® M

### Product characteristics
- Highly hydrophobic surface
- Easy-to-Clean / Long service life
- Very high scratch resistance

### Product applications
- Medical engineering

<table>
<thead>
<tr>
<th>General properties</th>
<th>Test method</th>
<th>Unit</th>
<th>Guideline Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>DIN EN ISO 1183-1</td>
<td>g / cm³</td>
<td>1.41</td>
</tr>
<tr>
<td>Water absorption</td>
<td>DIN EN ISO 62</td>
<td>%</td>
<td>≤ 0.20</td>
</tr>
<tr>
<td>Flammability (Thickness 1 ... 4 mm)</td>
<td>DIN 4102</td>
<td></td>
<td>B1</td>
</tr>
<tr>
<td>Flammability (2.5 mm)</td>
<td>B.S. 476 Part 7 (GB)</td>
<td></td>
<td>Class 1</td>
</tr>
<tr>
<td>Flammability (2.5 mm)</td>
<td>NFP 92-501 (FR)</td>
<td></td>
<td>M1</td>
</tr>
</tbody>
</table>

### Mechanical properties
- Yield stress: DIN EN ISO 527, MPa = 45
- Elongation at break: DIN EN ISO 527, % = 20
- Tensile modulus of elasticity: DIN EN ISO 527, MPa = 2500
- Notched impact strength: DIN EN ISO 179, kJ / m² = 8

### Thermal properties
- Glass transition temperature: ISO 11357-3, °C = 75
- Thermal conductivity: DIN 52612-1, W / (m * K) = 0.16
- Coefficient of linear thermal expansion: DIN 53752, 10⁻⁶ / K = 60 - 80
- Service temperature, long term: Average, °C = -30 ... 60
- Vicat softening temperature: DIN EN ISO 306, Vicat B, °C = 74

### Electrical properties
- Dielectric constant: IEC 60250, ε = 3.2
- Dielectric dissipation factor (10⁶ Hz): IEC 60250, tan δ = 0.02
- Volume resistivity: DIN EN 62631-3-1, Ω * cm = >10¹⁵
- Surface resistivity: DIN EN 62631-3-2, Ω = >10¹³

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.