

### Technical Data Sheet

## Trovidur<sup>®</sup> PHT

#### Typical characteristics

- Uniform physical properties
- Continuous service temperature up to 90 °C
- High resistance to acids, lyes and salt solutions
- Flame retardant, self-extinguishing after removal of flame
- Easy processing by welding, thermoforming and glueing
- Good impact strength

#### Typical industries

- Chemical Processing Industry
- Chemical storage tanks
- Clean-Room Technology

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,64
Water absorption	DIN EN ISO 62	%	0,20
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	60
Elongation at break	DIN EN ISO 527	%	15
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3000
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	6
Shore hardness	DIN EN ISO 868	scale D	82
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,13
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	107
Service Temperature		°C	-10 ... +90
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
<b>Electrical properties</b>			
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	>10 <sup>15</sup>
Surface resistivity	DIN EN 62631-3-2	Ohm	>10 <sup>13</sup>

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.

