

# Technical Data Sheet

## Troidur® PHT

### Product characteristics

- Uniform physical properties
- Continuous service temperature up to 90 °C
- High resistance to acids, lyes and salt solutions

### Product applications

- Chemical engineering and tank building
- Clean room and semi conductor industry
- Ventilation technology

	Test method	Unit	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>	4
Shore hardness	DIN EN ISO 868	scale D	75
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,13
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	60 - 80
Service temperature, long term	Average	°C	-10 ... 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	107
<b>Electrical properties</b>			
Volume resistivity	IEC 60093	Ω * cm	>10 <sup>15</sup>
Surface resistivity	IEC 60093	Ω	>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.

