

Technical Data Sheet

Trovidur® 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	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,64
Water absorption	DIN EN ISO 62	%	≤0,20
Mechanical properties			
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 ²	4
Shore hardness	DIN EN ISO 868	scale D	75
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,13
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60 - 80
Service temperature, long term	Average	°C	-10 ... 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	107
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹³

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.