Technical Data Sheet

Trovidur® PHT

PVC-C

Typical characteristics

- Uniform physical properties
- Continous service temperature up to 90 °C
- Good resistance to acids, lyes and salt solutions
- Flame retardant
- Self-Extinguishing after removal of the flame
- Good weldability
- Good thermoformability
- Good glueability
- Good impact strength

Typical industries

- Chemical Processing Industry
- Chemical storage tanks
- Clean-Room 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	6
Shore hardness	DIN EN ISO 868	scale D	82
Thermal properties			
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 tempearture	DIN EN 60695-2-13	°C	990
Glow wire flammability index	DIN EN 60695-2-12	°C	960

	Test method	Unit	Guideline value
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.