

Technical Data Sheet

Trovidur[®] PN grey

PVC-U

Typical characteristics

- Uniform physical properties
- Flame retardant
- Self-Extinguishing after removal of the flame
- Good resistance to acids, lyes and salt solutions
- Electrically insulating
- Good weldability
- Good thermoformability
- Good glueability
- Good impact strength

Typical industries

- Chemical Processing Industry
- Chemical storage tanks
- Mechanical Engineering Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,44
Water absorption	DIN EN ISO 62	%	0,20
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	56
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	82
Ball Hardness	ISO 2039	MPa	120
Compressive strength	DIN EN ISO 604	MPa	70
Bending strength	DIN EN ISO 178	MPa	80
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75
Service Temperature		°C	-10 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	67



	Test method	Unit	Guideline value
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹³

