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

- Costruzione di serbatoi e impianti chimici
- Plastics for chemical storage tanks
- Ingegneria meccanica e impiantistica

	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	$>10^{13}$

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. Information on the REACh regulation can be found in our Product Handling Information Sheets, in our REACh information letter as well as in the SCIP database.