

Technical Data Sheet

Trovidur[®] EPC grey

PVC-U

Typical characteristics

- Corrosion resistant
- Good weldability
- Good glueability
- Easy processing

Typical industries

- Chemical Processing 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	%	0,2
Flammability from 4 mm	UL 94		V0
Flammability (Thickness 4 mm)	DIN 4102		B1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	52
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2800
Notched impact strength	DIN EN ISO 179	kJ / m ²	4
Shore hardness	DIN EN ISO 868	scale D	81
Ball Hardness	ISO 2039	MPa	110
Compressive strength	DIN EN ISO 604	MPa	75
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	76
Service Temperature		°C	-15 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	68
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Glow wire ignition temperature	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			
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
Dielectric strength	IEC 60243	kV / mm	12
Comparative tracking index	IEC 60112	CTI	600

