

### Technical Data Sheet

## Trovidur<sup>®</sup> PVC-U grey

PVC-U

#### Typical characteristics

- Flame retardant
- Self-Extinguishing after removal of the flame
- High rigidity
- Electrically insulating
- Good resistance to acids, lyes and salt solutions
- Good weldability
- Good thermoformability
- Good glueability
- Good printability
- Chemical resistant

#### Typical industries

- Chemical Processing Industry
- Electronics
- Chemical storage tanks

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,45
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0 / V0
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	45
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 <sup>2</sup>	2
Shore hardness	DIN EN ISO 868	scale D	79
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	80
Service temperature, long term	Average	°C	0 ... 60
Service temperature, short term (max.)	Average	°C	70
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3



	Test method	Unit	Guideline value
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10 <sup>15</sup>
Surface resistivity	DIN EN 62631-3-2	Ω	10 <sup>13</sup>

