

Technical Data Sheet

Trovidur[®] EC Clad LS

PVC-U

Typical characteristics

- Fire protection according to EN 13501 B - s2, d0
- Good impact strength
- Good weldability
- Good glueability
- Chemical resistant
- Easy processing

Typical industries

- Building industry
- Clean-Room Technology
- Healthcare
- Food Industry
- 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	%	1,0
Flammability	UL 94		V0
Flammability	ASTM E 84		Class 1/A - 2,5 mm
Flammability	EN 13501		B - s2, d0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	50
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2700
Notched impact strength	DIN EN ISO 179	kJ / m ²	4
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,18
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	60-80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75
Flammability properties			
Electrical properties			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,02



	Test method	Unit	Guideline value
Volume resistivity	DIN EN 62631-3-1	$\Omega \cdot \text{cm}$	$>10^{15}$
Surface resistivity	DIN EN 62631-3-2	Ω	$>10^{13}$

