

## Technical Data Sheet

# Trovidur<sup>®</sup> 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

- 건설업
- Clean-Room Technology
- Healthcare
- Food Industry
- 화학 가공 산업

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	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
<b>Mechanical properties</b>			
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 <sup>2</sup>	4
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,18
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	60-80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75
<b>Flammability properties</b>			
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,02

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	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	$\Omega$	$>10^{13}$

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.



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