

### Technical Data Sheet

## Trovidur<sup>®</sup> EC Clad white

PVC-U

#### Typical characteristics

- Fire protection according to EN 13501 B - s3, 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
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,44
Water absorption	DIN EN ISO 62	%	0,2
Flammability (Thickness 1 mm ... 3 mm)	NF P 92-501		M1
Flammability (Thickness 2,5 mm)	BS 476 Part 6		Class 0
Flammability (Thickness 2,5 mm)	BS 476 Part 7		Class 1
Flammability (Thickness 1,9 mm ... 2,5 mm)	EN 13501-1		B s3 d0
Flammability (Thickness 1,7 mm ... 3 mm)	UL 94		V0
<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	2800
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	4
Shore hardness	DIN EN ISO 868	scale D	80
Ball Hardness	ISO 2039	MPa	110
Compressive strength	DIN EN ISO 604	MPa	65
Bending strength	DIN EN ISO 178	MPa	70
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75



	Test method	Unit	Guideline value
Service Temperature		°C	-15 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	66
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,20
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>

