Technical Data Sheet

Trovidur® 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
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	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
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	2800
Notched impact strength	DIN EN ISO 179	kJ / m^2	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
Thermal properties			
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
Electrical properties			
Dielectric constant	IEC 60250		3,20
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	$>10^{13}$

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.