

## TECHNICAL DATASHEET

### STERICLAD™

Product characteristics	Product applications		
• Fire protection according to EN 13501 B - s3, d0	• Sanitary facilities		
• Good impact strength	• Wall cladding		
• Good weldability and glueability	• Hygiene-sensitive areas		
	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1.44
Water absorption	DIN EN ISO 62	%	0.2
Flammability (Thickness 1mm....3mm)	NF P 92-501		M1
Flammability (Thickness 2.5mm)	BS 476 Part 6		Class 0
Flammability (Thickness 2.5mm)	BS 476 Part 7		Class 1
Flammability (Thickness 1.9mm....2.5mm)	EN 13501-1		B s3 d0
Flammability (Thickness 1.7mm....3mm)	UL94		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 <sup>2</sup>	4
Shore hardness	DIN EN ISO 868	Scale D	80
Ball hardness	ISO 239	MPa	110
Compressive strength	DIN EN ISO 604	MPa	65
Bending strength	DIN EN ISO 178	MPa	70

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<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
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/mK	~0.075
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3.2
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>

The above data represents average values obtained through regular statistical testing in compliance with DIN EN 15860. These figures are provided for informational purposes only and shall not be considered binding unless explicitly stipulated in a sales contract.

