



# ALPERTON Engineering Ltd.

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## Technical Data Sheet

### GREY PVC SHEET

#### Product characteristics

- High resistance to acids, lyes and salt solutions
- Fire class B1 to DIN 4102 up to 4mm thickness
- Highly weldable and adherable

#### Typical field of application

- Chemical engineering and tank building
- Ventilation manufacturing
- Electrical and electronic industries

	Test method	Unit	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
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0
<b>Mechanical properties</b>			
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2700
Notched impact strength (charpy)	DIN EN ISO 179	kJ/m <sup>2</sup>	4
Shore hardness	DIN EN ISO 868	scale D	80
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	60-80
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	70
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,020
Volume resistivity	IEC 60093	Ω *cm	>10 <sup>15</sup>
Surface resistivity	IEC 60093	Ω	>10 <sup>13</sup>

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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