

# Foam PVC



Cebelio

[www.cebelio.co.nz](http://www.cebelio.co.nz)

## Description

Foamed PVC is a versatile sheet that is lightweight and used commonly for sign applications.

Because of its surface Foamed PVC is ideal for digital printing, lacquering, foiling and is easily workable.

## Uses

Common applications include:

- Digital printing
- Exhibition displays
- Model making
- Signage

## Basic info

- ✓ Designed for Digital Printing
- ✓ Low water absorption
- ✓ Lightweight
- ✓ Easy to cut, saw, drill and form
- ✓ Easy to glue
- ✓ High chemical resistance





## Foam PVC

### Availability

Sheet colour	Gauge (mm)	Sheet size(s) (mm)
White	2.0	2440 x 1220
	3.0	2440 x 1220, 3050 x 1560, 3050 x 2030
	4.0	2440 x 1220, 3050 x 1560
	6.0	2440 x 1220
Black	3.0	2440 x 1220



Cebelio carries a large range of PVC however, we are able to source, thicknesses and finishes by request.

### Technical Properties

Property	Test Method	Units -SI	value
<b>Physical</b>			
Relative Density*	In-house	g/cm <sup>3</sup>	0.65-0.70
Water absorption	ASTM D-570	%	0.5 – 0.8
<b>Mechanical</b>			
Tensile strength at yield	ASTM D-638	MPa	16
Elongation at break	ASTM D-638	%	30
Flexural Strength at yield	ASTM D-790	MPa	28
Flexural modulus*	ASTM D-790	Mpa	900
Charpy impact strength	ASTM D-256	J/m	29
Shore D hardness		Value	N/A
<b>Thermal</b>			
Service temperature*	In-house	°C	-10 to 55
Heat distortion temperature*	In-house	°C	63
Vicat softening temperature	ASTM D-648	°C	75
Coefficient of thermal expansion*	ASTM-D1525	cm/cm°C	6.70
<b>Electrical</b>			
Dielectric strength	ASTM D-257	Ω	5x10 <sup>1</sup>
Surface resistivity	ASTM D-257	Ω-cm	2x10 <sup>1</sup>
<b>Flammability</b>			
EN13501			B, s1, d0
BS 476 Part 7			Class 1
UL 94			V-0
NSP 92501,5			M-1, M-2
DIN 4102			B-2

\*The results of this Datasheet are just for information or comparison purposes only and should be used as a guide. This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. Cebelio Holdings LTD. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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