

## Foam PVC

Foam PVC combines low density with high rigidity and good sound and heat insulation.

It offers several distinct advantages over solid PVC sheets; including being approximately half the weight, a more effective thermal insulator, easier to handle, vibration and oscillation absorbent, and more cost-effective per unit area.

It is used for advertising signs and displays, in construction, and for many miscellaneous applications such as transport containers and model making.

Key Properties		Units	Test Method
<b>General</b>			
Density	0.75 (0.027)	g/cm <sup>3</sup> (lb/in <sup>3</sup> )	ISO 1183
Density relative to water (=1)	0.75	-	ISO 1183
Water absorption (24 hrs)	0.5 - 0.8*	%	ASTM D570
	* 3-10mm panel thickness range		
<b>Thermal</b>			
Vicat Softening Temperature	75 (167)	°C (°F)	ASTM D1525
Thermal Conductivity	0.06	W/mK	ASTM C177
Linear Thermal Expansion	8.0	x10-5 / °C	DIN 53752
Flammability	B1	-	DIN 4102
<b>Mechanical</b>			
Yield Stress	20	MPa	ISO 527
Yield Strain	2.4	%	ISO 527
Flexural Strength at Yield	28 (2)	MPa	ASTM D790
Tensile Strength at Break	20	%	ISO 527
Modulus of Elasticity	1300	MPa	ISO 527
Shore Hardness	15	-	ISO 868
<b>Electrical</b>			
Surface Resistance	5 x 10 <sup>15</sup>	Ohm	ASTM D257
Volume Resistance	2 x 10 <sup>16</sup>	Ohm/cm	ASTM D257

### Notes

Except where indicated\*, figures shown are for panel thickness 3mm

DISCLAIMER: The purpose of this data sheet is to enable a consistent comparison with other products to help users to make an informed choice. The information provided in this product data sheet is for comparison and reference purposes only and is based on generic information gathered from a number of sources. In some cases the data provided is an average value only and represents our best attempt to describe the material's properties under typical factory conditions. We make no representations or warranties as to the completeness or accuracy of any of the data contained in this data sheet and users should use them as a general decision-making guide only. Branded data sheets are available on request. The information contained in this data sheet is subject to copyright. This data sheet cannot be reproduced for commercial purposes, apart from assisting users with making a purchasing decision, without the express permission of Plastic Wholesale.