

## FOAM PVC

The values are a list of typical results by testing large numbers of specimens under specified conditions. Additional processing can influence the properties so we recommend caution must be adhered to when applied to the finished products.

PHYSICAL CHARACTERISTICS	
Base Polymer	Polyvinyl chloride PVC
Form	Semi – Finished sheet product
Thickness	White available in 1mm – 19mm
Colours	Available in 3mm & 5mm
Smell	Odourless
Water absorption	0.10%
Water Solubility	Insoluble
Tensile strength at yield	13MPa
Modulus of Elasticity	0.9MPa
Flexural Strength	32MPa
Elongation at break	13%
Impact Resistance (CHARPY)	15kj/m <sup>2</sup>
Impact Resistance (IZOD)	9MPa
Shore Hardness	40 – 50

THERMAL PROPERTIES	
Vicat Softening temperature	73°C
Heat Deflection Temperature @1.8MPa	58°C
Coefficient of Linear expansion	4.47 X 10 <sup>-5</sup>
Thermal Expansion	0.06W/mK
Service Temperature	-20°C to +60°C

ELECTRICAL PROPERTIES	
Surface Resistivity (ohms)	10 <sup>14</sup> Ω
Volume Resistivity	10 <sup>15</sup> Ωcm
Dielectric Constant at 1MHZ dielectric strength	1.56

SHEET SIZES	
Standard sheet sizes	2440mm x 1220mm, 3050mm x 1220mm
	3050mm x 1560mm, 3050mm x 2050mm
Other sizes are available to order. Subject to minimum quantities.	

TOLERANCES	
Length	-0 +10mm
Width	-0 +3mm
Thicknesses	+ 5%

*This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Dotmar EPP PTY assumes no liability for use of information presented herein.*