

COLOUR PVC FOAM SHEET

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

Characteristic	COLOUR PVC FOAM SHEET
Base Polymer	Polyvinyl chloride PVC
Form	Semi – Finished sheet product
Thickness	3mm – 30mm
Smell	Odourless
Water absorption	0.10%
Water Solubility	Insoluble
Tensile strength at yield	≥ 13 MPa
Modulus of Elasticity	0.85 – 0.90MPa
Flexural Strength	> 32MPa
Elongation at break	13 %
Impact Resistance (CHARPY)	15Kj/m2
Impact Resistance (IZOD)	9MPa
Shore Hardness	30-40

THERMAL PROPERTIES

Property	COLOUR PVC FOAM SHEET
Vicat Softening temperature	73°C
Heat Deflection Temperature @1.8MPa	57°C
Coefficient of Linear expansion	4.47 X 10 ⁻⁵
Thermal Expansion	0.06W/mK
Service Temperature	-20°C to +60°C

ELECTRICAL PROPERTIES

Property	COLOUR PVC FOAM SHEET
Surface Resistivity (ohms)	10 ¹⁴ Ω
Volume Resistivity	10 ¹⁵ Ωcm
Dielectric Constant at 1MHZ	2.4
Dielectric strength	≥ 90kV




SHEET SIZES & TOLERANCES

Standard sheet sizes	1mm – 10mm	12mm – 26mm	30mm
	2440 X 1220 mm	2440 X 1220 mm	2440 X 1220 mm
	3050 X 1220 mm	3050 X 1220 mm	3050 X 1220 mm
	3050 X 1560 mm	3050 X 1560 mm	
	3050 X 2050 mm		

Other sizes available to order. Subject to minimum quantities.

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TOLERANCES


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

NOTES:

The information and data provided are communicated in good faith and are believed to be correct. However, they do not imply any responsibility, guarantee, obligation, or granting of licenses as they are purely indicative. The characteristics mentioned here do not constitute contractual specifications and may be changed without notice. Document provided as an uncontrolled copy.

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