

DATASHEET

PALIGHT FOAM PVC

Palight is a lightweight, versatile, flexible, and durable foamed PVC sheet that is widely used in sign and display, as well as construction applications.

Applications

- Advertising
- Sign Making
- Wall Cladding
- Model Making
- Exhibition Displays
- Interior Decoration

Availability

- Colour – Range of colours available
- Size: 2440x1220mm and 3050x1220mm sheets
- Regularly produced in 3mm thickness

Typical Properties

General Properties	Method	Unit	Test Result
Physical Properties			
Relative Density	In-House	g/cm ³	0.57
Water Absorption	ASTM S-570	%	0.5 – 0.8
Mechanical Properties			
Tensile Strength at Yield	ASTM D-638	MPa	16
Elongation at Break	ASTM D-638	%	30
Flexural Modulus	ASTM D-790	MPa	900
Flexural Strength at Yield	ASTM D-790	MPa	28
Charpy Impact Strength		J/m	29
Shore D Hardness		value	N/A
Thermal Properties			
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 D-1525	cm/cm°C	6.70
Electrical Properties			
Dielectric Strength	ASTM D-257	Ω	5x10 ¹
Surface Resistivity	ASTM D-257	Ω -cm	2x10 ¹

Flammability

Standard	Classification
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