



# PALFOAM™

## Low Weight Flat Foamed PVC Sheet



### Overview

PALFOAM offers easy-to-handle foamed PVC in a cost-efficient version. Its bright, consistent and smooth surface provides a good background for printing and laminating in high quality stands and displays.

PALFOAM is flexible, versatile and extremely convenient to work with. It can be cut and fabricated using conventional tools and equipment.

### Main Benefits

- Value-oriented for cost sensitive projects
- Slightly lighter weight than standard PALIGHT Foam PVC sheet
- Good ink adhesion and print quality
- Bright, smooth and uniform surface
- High insulation
- Easily worked with conventional tools, prints and paints
- Can be easily bonded, vacuum formed, nailed and bolted
- High chemical resistance
- Low water absorption
- Non-toxic

### Typical Applications

- Portable displays
- Point-Of-Purchase displays
- Signs
- Displays
- Interior decoration
- Exhibition boards
- Display cladding



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## Standard Dimensions

Specification	Value
Thickness	2, 3, 4, 5, 6, 8, 10mm
Dimensions*	2030x3050 1560x3050 1220x3050
Color	White

\* Other dimensions are available upon request.

## Product Range

Product	Description
PALIGHT®	Flat foamed PVC sheet with matte finish, available in a wide range of standard and special thicknesses and designer colors.
PALFOAM™	Cost-effective, white only, light weight flat foamed PVC sheet.
PALIGHT® Print	Flat foamed PVC sheet made specifically to cost effectively meet the stringent requirements of large format print imaging industry.
PALFOAM™ LW	Low weight, white only, flat foamed PVC sheet for general purposes.

## Typical Physical Properties\*

Property	Method	Conditions	Units	Value
Density	D-792		g/cm <sup>3</sup>	0.50-0.57
Water absorption	D-570	24hr. @ 23°C	%	0.28
Flexural modulus	D-790	1mm/min.	MPa	700-1100
Hardness	Shore D			78-84
Izod impact strength	D-265		J/m	30-66
Service temperature range			°C	-10 to 55
Heat deflection temperature (H.D.T)	D-648	Load: 1.82MPa	°C	53-61
Vicat softening temp	D-1525	Load: 1 kg	°C	75-77
Coefficient of linear thermal expansion	D-696		cm/cm °C	6.7x10 <sup>-5</sup>
Thermal conductivity	C-177		W/mK	0.07
White index	D-792		WI	90
Surface resistance	D-257		Ohm	5x10 <sup>9</sup>
Volume resistance	D-257		Ohm-cm	2x10 <sup>6</sup>

\*Information applies to 3-10mm sheets.



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