



PALIGHT®

Flat Foamed PVC Sheet



Overview

PALIGHT is a lightweight, versatile, flexible, and durable foamed PVC sheet that is ideal for use in advertising and construction.

PALIGHT exhibits the whitest available surface and was successfully tested by the majority of digital flatbed printer manufacturers. Printers and advertisers benefit from its constantly smooth and bright surface for producing high quality displays.

PALIGHT is easily handled, cut and fabricated using conventional tools and equipment, and can be printed, painted or laminated.

Main Benefits

- Tested and approved for digital printing
- Bright white, smooth and uniform surface
- Available in a wide range of standard and special designer colors
- Standard matte or gloss finishes
- Good insulation, lower heat transmission
- Non-toxic
- Good flammability: self extinguishing
- Half the weight of solid PVC sheets
- Same thickness at lower cost
- Good mechanical properties
- Easily worked with conventional tools, prints and paints
- Can be easily bonded, nailed and bolted
- Low water absorption
- High chemical resistance
- Meet various international standards

Typical Applications

Advertising

Signs, displays, interior decoration, exhibition graphics, cladding etc.

Construction

Models, partitions, wall cladding, interior decoration, air conditioning ducts, etc..

Industry

Control cabinets and panels, structures for corrosive environments, ducts, etc.

Screen Printing

PALIGHT's flat, consistent surface makes it ideal for screen printing. It is suitable for use with aqueous and solvent-based inks. PALIGHT's sheet surface has low absorption giving excellent ink yield.

Digital Printing

PALIGHT was approved by major digital flatbed printer manufacturers, and is suitable for use with digital inks and UV curing. All 1-10mm white PALIGHT sheets have a bright and smooth surface for true color interpretation.

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PALRAM is a
partner member of



Standard Dimensions*

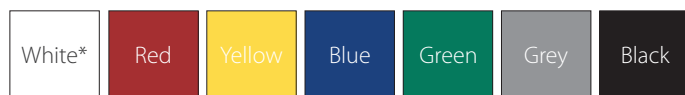
PALIGHT®	Color	ST	Thickness Availability / Dimensions (mm)		
			1220x2440	1560x3050	2030x3050
PALIGHT®	White	ST-10	1-13, 15, 19, 24, 25, 30	All	All
	Yellow	ST-30	3, 5		
	Red	ST-50	3, 5		3, 5
	Black	ST-90	3, 5, 10	3, 5	3, 5, 6, 8, 10
	Blue	ST-70	3, 5		3, 5
	Green	ST-80	3		
	Grey	ST-100	3, 5	3, 5	3, 5

* Special 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.
PALIGHT® Print	Flat foamed PVC sheet made specifically to cost effectively meet the stringent requirements of large format print imaging industry.
PALIGHT® LW	Low weight, white only, flat foamed PVC sheet for general purposes.
PALIGHT® 2001	Flat foamed PVC sheet with glossy hard surface on one side, available in white and standard colors.
PALIGHT® ReVive	Flat Foamed - Made of 100% Recycled PVC, Fully Recyclable.

Standard Colors



* Designer colors are available upon request

Applicability and Uses



Typical Physical Properties

Property	ASTM Method	Conditions	Units	Value
Density	(D-792)		g/cm ³	0.57*
Water Absorption	(D-570)	24 hr. @ 23 °C	%	0.5-0.8**
Flexural Strength at Yield	(D-790)	1mm/min.	MPa	28*
VICAT Softening Temp	(D-1525)	Load: 1kg	°C	75
Coefficient of Linear Thermal Expansion	(D-696)		cm/cm °C	6.7x10 ⁻⁵
Thermal Conductivity	(C-177)		W/mK	0.06-0.07**
Surface Resistance	(D-257)		Ohm	5X10 ¹⁵
Volume Resistance	(D-257)		Ohm-cm	2X10 ¹⁶

*Results refer to 3mm sheet **Depending on thickness (3-10mm)

Flammability

Standard	Classification*
EN 13501	B, s1-3, d0
BS 476/7	Class 1
NSP 92501,5	M-1, M-2
UL 94	V-0

*For more detailed information please contact your Palram distributor.

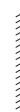
PALIGHT complies with the most demanding international fire resistance standards in the field of plastics, as indicated in the detailed table herein. The classification is subject to product type, thickness and color.



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