



PALIGHT® 2001

Flat foamed PVC sheet with glossy surface on one side



Overview

PALIGHT 2001 offers easy-to-handle foamed PVC in a cost-efficient version. Its glossy surface provides a good background for printing and laminating in high quality stands and displays.

PALIGHT 2001 is flexible, versatile and extremely convenient to work with. It can be cut and fabricated using conventional tools and equipment.

Main Benefits

- Premium Foamed PVC sheet with gloss finish on one side
- Good ink adhesion and print quality
- Glossy surface on one side
- High insulation
- Easily worked with conventional tools, prints and paints
- Can be easily bonded, 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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PALIGHT® 2001

Color	Thickness Availability / Dimensions (mm)	
	1220x2440	1220x3050
White Gloss	3, 5, 10	3, 5, 10
Black Gloss	3, 5	

* Special dimensions and colors are available upon request.

Product Masking

PALIGHT 2001 has a protective polyethylene film on one side.

Product Range

Product	Description
PALIGHT®	Flat foamed PVC sheet with matte finish, available in a wide range of standard and special designer colors.
PALIGHT® Print	Printing Grade Flat Foamed PVC Sheet
PALIGHT® Print AS	Anti-Static Flat Foamed PVC Sheet
PALFOAM™	Low-weight flat foamed PVC sheet with matte finish. Available in white only.
PALFOAM™ LW	Low Weight Foamed PVC sheet
PALIGHT® 2001	Flat foamed PVC sheet with glossy surface on one side, available in white and black.



Fabrication

PALIGHT 2001 can be easily worked with standard tools used in metal and wood industries. All are especially easy to handle, transport and store, thanks to their exceptionally light weight.

Cutting - Easily cut using a cutting knife or a straight, finely serrated blade mounted on a hand-saw, band saw, disc (circular) saw or jig-saw. As a rule, low cutting feed rates and high cutting speeds are recommended. In extreme cases, it is recommended that the cutting blades be cooled with compressed air.

Drilling - Can be drilled using any conventional drill.

Fastening - Can be screwed and bolted in place. Use of a large washer is recommended, in order to distribute load on a wider area.

Printing - Suitable for use with all conventional and digital printing techniques.

Adhesive Bonding - Supports standard formulations for PVC and most solvent based adhesives. For maximum structural bonding strength, two-part adhesive kits are recommended. Pressure-sensitive self-adhering tapes or pads may be used for temporary repairs.

Typical Physical Properties*

Property	Method	Conditions	Units	Value
Density	D-792		g/cm ³	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	58-61
Vicat softening temp	D-1525	Load: 1kg	°C	75-77
Coefficient of linear thermal expansion	D-696		cm/cm °C	6.7x10 ⁻⁵
Thermal conductivity	C-177		W/mK	0.07
White index	D-792		WI	90
Surface resistance	D-257		Ohm	5X10 ¹⁵
Volume resistance	D-257		Ohm-cm	2X10 ¹⁶

*Information applies to 3-10mm sheets.



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