

Product: Palboard

Category: Sign, Display & Digital - Latex and UV Inkjet

Palboard is an innovative PVC sheet that's like no other. Palboard combines two ultra-smooth surfaces of solid PVC with a black dense foam core. Its uniform surfaces are bright white allowing for the most vibrant color reproduction. Palboard is easy to fabricate, can be cold-bent with a v-groove cut, and offers excellent mechanical strength and chemical resistance, making it the ideal sheet for your retail signs and 3D structures, POP displays, exhibits, and more.

- Easy to fabricate and thermoform; can be cold-formed with v-cuts
- Ultra-smooth and uniform surface that resists dents and scratches
- Protective film is standard, one side
- Recycled lightweight foam PVC core
- High structural strength with a relatively low weight
- Excellent chemical and fire resistance
- Strong electrical and thermal insulation
- Digital and screen printing
- Co-extruded multi layered PVC sheet with rigid surfaces on two sides

Property	Standard	Conditions	Unit	Values
Physical				
Specific gravity	ASTM D-792		g/cm ³	3mm – 0.62
Water absorption	ASTM D-570	24 hr @ 23°C	%	3mm – 0.5
Mechanical – Machine direction				
Flexural modulus	ASTM D-790		MPa	1600
Shore hardness	ASTM D-2240		Shore D	60
Thermal				
Service temperature range			°C	-10 to 55
Heat deflection temperature	ASTM D-648	Load: 1.82 MPa	°C	62
Coefficient of linear thermal expansion	ASTM D-696		10 ⁻⁵ /°C	6.7
Electrical				
Surface resistance	ASTM D-257		Ohm	<10 ¹¹

Conversion⁺

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|---|--|---|
| ☐ Flat bed cutters | ☐ Cold overlaminating | ☒ Latex |
| ☐ Friction bed cutters | ☐ Aqueous (dye & pigment) | ☐ Solvent |
| ☐ Die Cutters Thermal | ☐ Screen printing | ☐ Eco Solvent |
| ☐ transfers | ☐ Printing Offset | ☒ UV Inkjet |

⁺Always test with your combination of printer and inks prior to commercial use

Conversion⁺

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|-------------------------------------|-------------------------------------|
| - POP and retail displays & signage | - Exhibits and kiosks |
| - Routed and relief lettering | - Industrial and construction signs |
| - Fabricated and structural parts | |