

DATA SHEET

PVC Foam Sheet

Introduction:

Oursign PVC foam board is a new type of environmental protective plastic materials which instead of woods and steels. Comparing to woods, it has many advantages, light-weight, flexible, anti-flame, alkali & acid resistance, moisture proof, water proof, good heat preservation, sound insulation, shock absorption and so on. The board can be filmed or printed colorfully. It owns many ways of processing such as nailing, sawing, planning, cementing, jointing, etc



Features:

1. feather light, non-absorb water, fire retardant and self-extinguishing
2. sound insulation, heat insulation, noise absorption, heat preservation and corrosion prevention.
3. weather proof, vandal proof, and can be shaped, moulded, painted and screen printed.
4. non-warping and stain proof.
5. non-corrosive, non-toxic and chemical resistant.
6. tough, rigid with a high impact strength.
7. easy to clean and maintain

Applications:

1. Advertisement: exhibition & display, digital printing, silk screen printing, engraving materials, sign board, etc.
2. Furniture: office furniture, cabinet, bath cabinet, etc.
3. Finishing Material: decorative sheets, storage racks, room segments, etc.
4. Industrial Application: thermoforming products, refrigeratory warehouse project, environmental protection

Specification:

Item	Data	Unit	Method
Density	0.50-0.80	gm/cm ³	DIN53479
Hardness	55-65	shore D	DIN53353
Water absorption	≤0.98	%	DIN53352
Tensile strength	12-20	mpa	DIN53455
Bending strength	12-18	mpa	DIN53455
Elastic modulus in bending	800-1100	mpa	DIN53455
Elongation at break	10-15	%	DIN53455
Weika softening temperature	73-76	°C	DIN53460
Thermal conductivity (0 to 60°)	0.06	w/wk	DIN52616
Color	White	-	-
Product size	1.22m x 2.44m	-	-
Flame resistant	pass	-	DIN75200

Characteristics / Features:

- | | | |
|---|--|---|
| <input type="checkbox"/> Good thermal insulation | <input type="checkbox"/> Outstanding print ability | <input type="checkbox"/> No Rotting |
| <input type="checkbox"/> Instead of wood material | <input type="checkbox"/> Excellent paint ability | <input type="checkbox"/> No Warping |
| <input type="checkbox"/> Light weight | <input type="checkbox"/> Uniform fine & close cell structure | <input type="checkbox"/> No Swelling |
| <input type="checkbox"/> High strength | <input type="checkbox"/> Good resistance to light and weathering | <input type="checkbox"/> No Delamination |
| <input type="checkbox"/> Easily cleaning | <input type="checkbox"/> Low flammability | <input type="checkbox"/> Recycled, environmental protection |
| <input type="checkbox"/> Easily fabrication | <input type="checkbox"/> No Splitting | <input type="checkbox"/> Various, and colorful |
| <input type="checkbox"/> Rot Resistant | <input type="checkbox"/> Available in different hardness and density | |

Process:

- | | | | | |
|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|
| <input type="checkbox"/> Painting | <input type="checkbox"/> Machining | <input type="checkbox"/> Sawing | <input type="checkbox"/> Screwing | <input type="checkbox"/> Drilling |
| <input type="checkbox"/> Printing | <input type="checkbox"/> Cutting | <input type="checkbox"/> Riveting | <input type="checkbox"/> Engraving | |

Applications:

- | | | |
|---|---|--|
| <input type="checkbox"/> Fascias | <input type="checkbox"/> Fluted casings | <input type="checkbox"/> Rake Boards |
| <input type="checkbox"/> Flat Casing | <input type="checkbox"/> Panels | <input type="checkbox"/> Corner Boards |
| <input type="checkbox"/> Soffits | <input type="checkbox"/> Porch Railings | <input type="checkbox"/> Columns |
| <input type="checkbox"/> Porch Ceilings | <input type="checkbox"/> Sidings | |