

# PVC FOAM BOARD



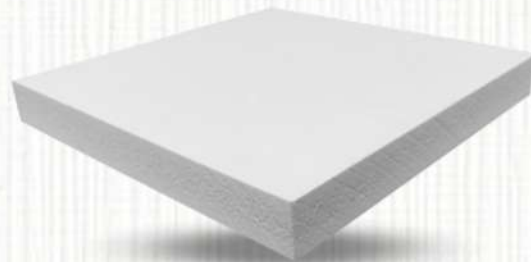
## PRODUCT DATA SHEET

PVC Foam Board is a cost-effective closed-cell PVC foam specially formulated to provide high physical properties and be recyclable. Engineered for easy workability, weatherproof and insulation properties, and excellent fire behavior. It is characterized for its phenomenal screw retention and amazing resistance to moisture; it will not rot, mold or mildew. It is also compatible with multiple resins and adhesives.

PVC Foam Board is a stand-alone product and can be used without skins as a replacement for wood and plywood. This PVC foam has excellent fastener pullout strength and high flexural strength and stiffness.

### PROCESSING

- Adhesive bonding
- Prepreg processing
- Contact Molding (hand/spray)
- Compression molding (GMT, SMC)
- Resin infusion / injection (VARTM / RTM)



### APPLICATIONS

**Marine:** Transom Boards, Consoles, Seat Bottoms, Decks, Floors, Bulkheads, Stringers, Superstructures, Engine Beds, Interiors, Local Reinforcements, Tooling and Molds

**Transportation:** Primary Body Structure, Interior Panels, Sidewalls, Floors, Roofs and Engine Covers

**Construction:** Decks, Roof Panels, Doors, Windows, Cabinets, Tables and Architectural Panels

**Industrial:** Covers, Containers, Refrigeration, Tanks,

Local Reinforcements, Sporting goods, Tooling and Molds

**Signs:** Outdoor Displays, Dimensional Lettering, Dimensional Signs and Channel Letter Backer



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<b>TEST STANDARDS</b>		<b>Units (Imperial)</b>	<b>VALUES</b>
<b>Density</b>	<b>ASTM C271</b>	Lbs. / cu.ft	28
<b>Compressive Strength</b>	<b>ASTM D1621</b>	psi	847
<b>Compressive Modulus</b>	<b>ASTM D1621-B</b>	psi	423
<b>Tensile Strength</b>	<b>ASTM C297</b>	psi	481
<b>Shear Strength</b>	<b>ASTM C273</b>	psi	445
<b>Shear Modulus</b>	<b>ASTM C273</b>	psi	5519
<b>Shear Elongation at Break</b>	<b>ISO 1922</b>	%	1.404
<b>Flexural Strength</b>	<b>ASTM D790</b>	psi	1799
<b>Peel Strength</b>	<b>ASTM D1062</b>	Lbs./in	1706
<b>Screw Torque</b>		in/Lbs.	20.2
<b>Screw Pull</b>		Lbs.	226.2
<b>Standard Sheet</b>	<b>Length</b>	<b>inch</b>	<b>96</b>
	<b>Width</b>	<b>inch</b>	<b>48</b>
	<b>Thickness</b>	<b>inch</b>	<b>1/4 to 2</b>

Values shown are nominal average determined from independent laboratory and house testing. Tests are perpendicular to the plane.

<b>Processing temperature:</b>	< 200 °F
<b>Water Absorption:</b>	< 1%
<b>Density Tolerance:</b>	+ / - 10%
<b>Color:</b>	White