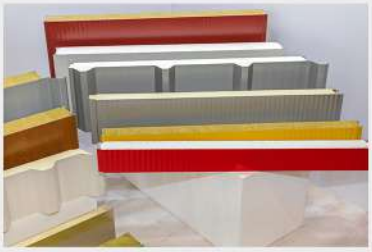
Performance PVC Foam

Boards and Sheets from APM

SPECIFICATION



- Ultimate water & weather resistance.
- Enhanced corrosion & chemical resistance.
- Standard fire & heat resistance (thermal insulation).
- Does not rot like woods, plywood, paperboard etc.
- Exceptional physical strength and super lightweight.
- Exceptional durability and thermal stability.
- Available in various densities, a large selection.
- Manufactured sustainably, lowest carbon footprint.
- Can be used to manufacture laminated and sandwich panels.
- Can be use paint or coat with thermoset resins of your choice.
- Can be used to manufacture thermoformed parts and components.
- Easy installation and usage. Complete customization available.
- Does not release any toxic substances or byproducts during and after product lifecycle.

APPLICATION

- Bus, train, rail, cruise, car and boat seat bottoms.
- Boat, yacht and cruise decking, hulls and flooring.
- Stadium sheds, wall, partition, ceiling and roofing.
- Exterior and interior walls for bus, caravan, train, rail, boat, yacht and cruise.
- Car, bus, train, boat, yacht, cruise hood and roofing.
- Wall panels for private houses, restaurants, shopping mall, office buildings, commercial building, warehouses, storage rooms etc.
- Roofing and ceiling panels for private housing, restaurants, commercial buildings, shopping mall, warehouse industrial roofing.
- Door and window panels,
- Floor, wall and roof thermal insulation.
- Noise insulation wall and partition.
- Wind and storm shield walls and partitions.
- Advertisement and display boards.
- Indoor and outdoor furniture, table, park bench, chair, walking closet, kitchen table, drawers.
- Snowboard, surfboard, ski, football helmets, leisure goods and articles.

APM
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TEST STANDARDS		Units (Imperial)	40	48	60	80	100	130	200	250
Density	**ASTM D1622**	Lbs. / cu.ft	2.5	3	3.75	5	6.24	8.12	12.5	15.7
Compressive Strength	**ASTM D1621-10**	psi	74	100	139	207	280	396	699	949
Compressive Modulus	**ASTM D1621-10**	psi	4061	4786	6672	9862	13053	18130	30168	40176
Tensile Strength	**ASTM D1623**	psi	107	138	306	377	447	553	935	1031
Tensile Modulus	**ASTM D1623**	psi	10733	12618	15374	19870	24511	31328	58885	62221
Shear Strength	**ASTM C273**	psi	65	80	112	164	216	294	497	677
Shear Modulus	**ASTM C273**	psi	1885	2321	3046	4206	5366	7107	11023	13924
Shear elongation at break	**ASTM C273**	%	5	9	13	20	25	32	41	40
Thermal conductivity at 75 °F	**ASTM C-177**	BTU.in/ft2.hr.°F	0.21	0.21	0.21	0.23	0.24	0.27	0.33	0.39
Standard Sheet (Plain)	**Length**	**inch**	**112.20**	**107.48**	**96.45**	**85.83**	**80.71**	**74.80**	**62.99**	**59.06**
	Width	**inch**	**52.36**	**50.00**	**45.27**	**40.16**	**37.40**	**33.47**	**29.53**	**27.56**
	Thickness	**inch**	**1/8 to 3 ¼**	**1/8 to 2 ¾**	**1/8 to 2 ¾**	**1/8 to 2 ¾**	**1/8 to 2 ½**	**1/8 to 2**	**1/8 to 1 ¾**	**1/8 to 1 ¾**

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

Color:	**Light Blue**	**Purple**	**Yellow**	**Green**	**Pink**	**Blue**	**Brown**	**Dark Green**
Density Tolerance:	+ / - 10%							
Water absorption	< 1%							
Processing temperature:	176 °F							