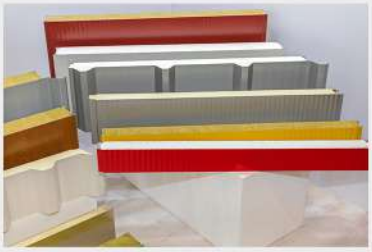
Performance PVC Foam

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 (Metric)	40	48	60	80	100	130	200	250
Density	**ASTM D1622**	Kg. / m^3	40	48	60	80	100	130	200	250
Compressive Strength	**ASTM D1621-10**	MPa	0,51	0,69	0,96	1,43	1,93	2,73	4,82	6,54
Compressive Modulus	**ASTM D1621-10**	MPa	28	33	46	68	90	125	208	277
Tensile Strength	**ASTM D1623**	MPa	0,74	0,95	2,11	2,60	3,08	3,81	6,45	7,11
Tensile Modulus	**ASTM D1623**	MPa	74	87	106	137	169	216	406	429
Shear Strength	**ASTM C273**	MPa	0,45	0,55	0,77	1,13	1,49	2,03	3,43	4,67
Shear Modulus	**ASTM C273**	MPa	13	16	21	29	37	49	76	96
Shear elongation at break	**ASTM C273**	%	5	9	13	20	25	32	41	40
Thermal conductivity at 24 °C	**ASTM C-177**	W/m.K	0,031	0,031	0,031	0,033	0,035	0,039	0,048	0,056
Standard Sheet (Plain)	**Length**	**mm**	**2850**	**2730**	**2450**	**2180**	**2050**	**1900**	**1600**	**1500**
	Width	**mm**	**1330**	**1270**	**1150**	**1020**	**950**	**850**	**750**	**700**
	Thickness	**mm**	**3 to 80**	**3 to 70**	**3 to 70**	**3 to 70**	**3 to 64**	**3 to 51**	**3 to 45**	**3 to 45**

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:	80 °C							