

Foamex VS Others	TEST	UNIT	VALUE
Material Density:	IN HOUSE	gm/cm <sup>3</sup>	0.7/0.5
Hardness Rating:	ISO 868	Shore D	2 ± 46
Moisture Uptake:	ASTM D 570	%	≤ 0.8
Tensile Performance:	ASTM D 638	MPa	≥ 17
Break Elongation:	ASTM D 638	%	≥ 17
Charpy Impact Resistance:	ASTM D 256	J/M	29
Izod Impact Resistance:	ASTM D 258	KJ/M <sup>3</sup>	≥9.0
Electrical Insulation Strength:	ASTM D 257		5× 10
Surface Electrical Resistivity: 2 × 10 /cm (ASTM D 257)	ASTM D 257	/cm	2× 10
Vicat Softening Point: Exceeds 80°C (ASTM D 648)	ASTM D 648	c°	≥80
Thermal Expansion Coefficient: Between 0.6 and 0.7 cm/cm°C (ASTM D 1525)	ASTM D 1525	cm/cm°C	06-07
Heat Conductivity: From 0.05 to 0.07 W/m·K (DIN 52616)	DIN 52616	W/mK	0.5-0.07

Foamex VS Others	Foamex	MDF	Polywood
Resistant to fire.	✓	✗	✗
Protection against moths, termites, and pests.	✓	✗	✗
Fully water and moisture resistant.	✓	✗	✗
No shrinking or swelling.	✓	✗	✗
Corrosion resistant.	✓	✗	✗
Requires no maintenance.	✓	✗	✗
Eco-friendly and safe for the environment.	✓	✗	✗
Suitable for outdoor use.	✓	✗	✗
Excellent screw and nail holding strength.	✓	✗	✗
100% recyclable.	✓	✗	✗
Zero material waste.	✓	✗	✗
Resistant to acids and alkalis.	✓	✗	✗
Can be reused over 25 times in construction projects	≥ 25	1	4 - 6

	STANDARD	OPTIONS
<b>WIDTH</b>	1220 mm	≤ 1220 mm
<b>LENGTH</b>	2440 mm	∞
<b>THICKNESS</b>	4.5 mm-17 mm	3 mm-25 mm