

TECHNICAL DATA SHEET (TDS)

Product: PVC Foam Board

PVC Foam Board is a lightweight, durable, and versatile material widely used in advertising, construction, and furniture industries. It offers excellent printability, surface smoothness, and resistance to moisture and chemicals.

Property	Unit	Value	Test Method
Density	g/cm ³	0.45 – 0.55 (typical)	ISO 1183
Thickness Tolerance	mm	±0.2 (≤ 6 mm), ±0.3 (> 6 mm)	Caliper
Shore Hardness (D)	-	45 – 55	ASTM D2240
Tensile Strength	MPa	≥ 12	ISO 527
Elongation at Break	%	≥ 15	ISO 527
Flexural Strength	MPa	≥ 20	ISO 178
Water Absorption	%	< 1.0	ISO 62
Fire Behavior	-	EN 13823:2010 – Class D, s3, d0 (Allianz Teknik Lab.)	EN 13823:2010
Temperature Resistance	°C	-10 to +55	Internal
Surface	-	Smooth, White	Visual
Protective Film	-	One Side	Internal Standard

Chemical Composition (from MSDS):

- PVC K-58: ~62%
- CaZn stabilizer: ~2.3%
- CaCO₃: ~23%
- Additives (waxes, lubricants, processing aids, pigments, optical whitener, etc.): balance

Health & Safety Information (from MSDS):

PVC Foam Board is generally safe under normal use. It is odourless and stable at room conditions. Prolonged contact may cause mild skin or eye irritation. In case of fire, toxic gases may be released. Avoid inhalation of dust during processing. Use protective gloves and eyewear when cutting or sanding.

Handling, Storage & Transport:

- Store in a cool, dry place, away from direct sunlight.
- Ensure proper ventilation during cutting and processing.
- Transport is not classified as dangerous under ADR, RID, IMDG, or IATA regulations.

Applications:

- Advertising boards, signage, and digital printing
- Exhibition stands and displays
- Furniture and interior design
- Construction and partition walls

Manufacturer & Contact:

Mabelsan Forex

Bahçelievler Mah. Adnan Menderes Blv, Masallah Sk. No:1-2 / Pendik – Istanbul, Turkey

Contact: Dilan Hür

Email: dilan@mabelsanforex.com.tr

Phone: +90 532 369 30 62

Website: www.mabelsanforex.com.tr

