

B-Foam

B-Foam is the lightweight sheet material dedicated for digital printing, screen printing, mounting.

B-Foam provides super white colour, with smooth, hard, plane surface and tight tolerances.

Fire rating: B1 Germany, M1 France, Class 1 Great Britain. B-Foam is suitable for indoor and outdoor applications.

ADVANTAGES

Light weight, can be easily processed with conventional tools, super-white colour, smooth surface, matt finish, non-toxic, self-extinguishing, low water absorption, chemical resistant, weather resistant.

TYPICAL APPLICATIONS

Advertising: signs, exhibition boards, displays, screen printing, digital printing, etc.

Industry: fabrications, control cabinets and boards, etc.

Construction: wall claddings, sandwich panels, interior decorations, etc.

PROCESSING ADVICES

Fabricating: sawing, drilling, milling

Thermal processing: bending, thermoforming

Others: screen printing, digital printing

TECHNICAL DATA

Properties	Test method	Unit	B-Foam
Mechanical properties			
Density	MSZ ISO 1183	g/cm ³	2 mm ~ 0,55; 3-10 mm ~ 0,50
Tensile strength	MSZ EN ISO 527- 1,2,	M P a	> 12
Elongation at reak	MSZ EN ISO 527- 1,2,	%	≈ 15
Modulus of elasticity	MSZ EN ISO 527- 1,2,	M P a	> 750
Impact strength	MSZ EN ISO 179-2	kJ/m ²	12
Shore D	MSZ EN ISO 868	-	> 40
Thermal properties			
Vicat B	MSZ EN ISO 306	°C	74
		F	165
Linear thermal expansion coefficient	DIN 53752	K ⁻¹ x10 ⁻⁴	0,75
Thermal conductivity	DIN 52612	W/mK	0,08
Electronical properties			
Dielectric strength	MSZ EN 60243-1	kV/mm	13
Surface resistivity	DIN 53482	Ohm	> 5 x 10 ¹⁴
General properties			
Fire rating	DIN 4102 (D)	-	B1
	CSE RF 3/77 (I)	-	Class 1
	NFP 92-501 (F)	-	M1
	UL 94 (US)	-	V0
Water absorption	DIN 53495	%	< 1
Working temperature range	-	°C	0 - 60
		F	32 - 140