



**BOARDWAY BUILDING MATERIAL CO., LTD.**  
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Technical Datasheet — PVC Foam Board for Ambulance Interior Applications

Property	Specification	Test Standard / Notes
Product Type	Rigid PVC Foam Board	
Thickness	18 mm	Customizable
Density	0.65 g/cm³	ASTM D792
Surface Finish	Smooth, matte or laminated options	
Color	White (standard), customizable	
Mechanical Properties		
Tensile Strength	≥ 25 MPa	ASTM D638
Flexural Strength	≥ 30 MPa	ASTM D790
Impact Resistance (Notched Izod)	≥ 4 kJ/m²	ASTM D256
Thermal Properties		
Heat Deflection Temperature	≥ 70 °C	ASTM D648
Operating Temperature Range	-10 °C to +60 °C	
Fire Performance		
Flame Retardancy	Class B1 (GB 8624-2012) or UL 94 V-0	Available on request
Chemical Resistance	Resistant to water, acids, alkalis, alcohols	Suitable for medical cleaning agents
Water Absorption	≤ 0.2%	ASTM D570
Hygiene & Cleanability	Non-porous, easy to disinfect	Suitable for hospital-grade cleaners
Fabrication & Machinability	Easily cut, drilled, routed, laminated	Compatible with CNC machining
Weight	Approx. 11.7 kg/m² (for 18mm thickness)	Lightweight compared to wood/metal
Environmental Compliance	RoHS compliant, free of heavy metals	SGS Tested
Additional Features	Waterproof, corrosion resistant, UV stable	Ideal for mobile medical environments