

TECHNICAL DATASHEET

July 18th, 2024

MILLIFOAM DIV45H

MILLIFOAM® DIV45H is a closed-cell, rigid polymer foam based on polyvinylchloride (PVC) chemistry. It provides excellent mechanical properties at a low weight and is well-suited for applications subject to fatigue, slamming, or impact loads. Due to its impressive mechanical-to-weight ratio and low water absorption, it is the preferred foam for marine, land transportation, wind energy, civil infrastructure, and general industrial markets.

Polymer	PVC	Sheet Size	2440 x 610 mm
Thickness range	0.5-4.5 mm	Supplier	Diab Group

MILLIFOAM® DIV45H is compatible with all commonly used resin and manufacturing systems, with a maximum processing temperature of 90°C. This foam boasts excellent chemical resistance, low water absorption, and effective thermal and acoustic insulation properties. Its consistent high-quality surface structure ensures reliable performance. Additionally, the ease of processing make it a versatile material suitable for various industries.

Properties	
Density	48 kg/m ³
Compressive Strength	0.6 MPa
Compressive Modulus	50 MPa
Tensile Strength	1.4 MPa
Tensile Modulus	55 MPa
Shear Strength	0.56 MPa
Shear Modulus	15 MPa
Coefficient of Thermal Expansion	4.0 1/K*10E-5
Thermoforming Temperature	90-120°C (194-248°F)

Disclaimer

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