



Product Description

High density PU foam block ideal for making sturdy patterns with precise surface detail and a high quality surface finish. Our High Density Polyurethane Foam Block has a nominal density of 96kg/m³.

High density polyurethane (PU) foam block ideal for composite pattern making. It can still be cut and shaped by hand but is also well suited to CNC machining. Also suitable for use as a buoyancy foam or non-structural core material.

Marine Use

As well as use as a pattern making foam block this High Density Polyurethane Foam Block is also intended for use (and approved for use) as a structural core material. Core materials can be used in GRP structures to increase stiffness for load bearing purposes, reducing weight, cost and laminating time.

Our High Density Polyurethane Foam Block carries Lloyds approval as a rigid core material for marine use making it also ideally suited for use as a composites core material in applications like boat decks and bulkheads where lightness, low resin uptake and cost are important factors.

Lloyds Registry of Shipping Approved Certificate of Acceptance No.

YSL/SA/019 (for yachts up to 45' in length).

Block Sizes

Our High Density Polyurethane Foam Block is available in block sizes of: 300x300mm, 600x600mm, 600x1220mm and 1220x1220mm and is supplied in a nominal thickness of 100mm.

Key Features

- Can be cut and shaped by hand or machined.
- High density results in sturdy, durable patterns (which can be walked on).
- Dimensionally stable (will not expand or contract).
- Compatible with epoxy, polyester and vinylester resin systems
- Can be finished to a high standard with a range of surface coats

Properties

Property	Units	Value
Density	kg/m ³	96
Tensile Steength	mPa	1.06
Compressive Strength	mPa	1.05
Shear Strength	kPa	530
Cross Break Strength	mPa	1.60
Glass Transition Temperature	°C	100
Dimensional Stability upto 70°C for 7 Days	%	<+0.5
Internal Thermal Conductivity	W/m ² K@10°C	0.03

Health & Safety Precautions

- Wear respiratory protection when cutting or machining
- Always work in a well ventilated environment
- Wear gloves, safety glasses and waterproof clothes
- Do no smoke when machining

For further information, consult the product safety data sheet.

Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

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