

## TECHNICAL DATA SHEET

### PRODUCT: HIGH DENSITY POLYURETHANE FOAM BLOCK

**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/m<sup>3</sup>.

**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.

**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).*

SPECIFICATION	Nominal Density	Upper Temp. Limit	Dimensional Stability	Dimensional Stability	Dimensional Stability
	96kg/m <sup>3</sup> (6lbs/ft <sup>3</sup> )	100°C	70°C for 7 days	50°C / 100%rh for 7days	-20°C for 7 days

  

	Compressive Strength	Tensile Strength	Cross break strength	Closed Cell
<b>Standard</b>	(BS.4370 Prt.1 1968 Method 3) Normal to major plane	(BS.4370 Prt.2 1973 Method 9) Parallel to major plane	(BS 4370 Prt.1 method 4) Perpendicular to major plane	(BS4370 Prt. 2 Method 10)
<b>Specification</b>	1050 kPa	1060 kPa	1600 kPa	> 95%

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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Before using any of our products, users should familiarise themselves with the relevant Technical and MSDS provided by Easy Composites Ltd.

**Easy Composites**, Unit 39 Park Hall Business Village, Longton, Stoke on Trent. ST3 5XA  
Tel. 01782 454499 Web. [www.easycomposites.co.uk](http://www.easycomposites.co.uk) Email. [sales@easycomposites.co.uk](mailto:sales@easycomposites.co.uk)