



## Key Features

- Easy and fast to cut and shape by hand
- Light-weight
- Low cost
- Dimensionally stable (will not expand or contract)
- Compatible with epoxy, polyester and vinyl-ester resin systems
- Can be finished to a high standard with a range of surface coats

## Product Description

Light weight, cost effective pattern making PU foam block perfect for fast cutting and shaping. Also suitable for use as a buoyancy foam or non-structural core material. Our Low Density Polyurethane Foam Block has a nominal density of just 48kg/m<sup>3</sup>.

Polyurethane foam is one of the best and most widely used pattern making materials in composites. PU foam is cost-effective, dimensionally stable, easy to cut and shape and is compatible with a wide range of surface coats and resin systems making it the perfect starting point for any pattern making project where you will be hand shaping the pattern.

## Block Sizes

PF40 is held in stock in full board sizes of 1220mm x 1220mm in thicknesses of 100mm (4"). Cut-down block sizes are 1220mm x 600mm, 600mm x 600mm and 300mm x 300mm.

## Properties

Property	Units	Value
Density	kg/m <sup>3</sup>	48
Tensile Strength	kPa	450
Compressive Strength	kPa	350
Shear Strength	kPa	375
Cross Break Strength	kPa	540
Glass Transition Temperature	°C	70
Dimensional Stability upto 70°C for 7 Days	%	<+0.5
Internal Thermal Conductivity	W/m <sup>2</sup> 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 not 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.

Our technical advice, whether verbal or in writing, is given in good faith but Easy Composites Ltd gives no warranty; express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product for their particular application and circumstances.

Easy Composites Ltd shall be in no way responsible for the proper use and service of the product, nor for the safeguarding of personnel or property, all of which is the duty of the user. Any information or suggestions are without warranty of any kind and purchasers are solely responsible for any loss arising from the use of such information or suggestions. No information or suggestions given by us shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Before using any of our products, users should familiarise themselves with the relevant technical and safety datasheets provided by Easy Composites Ltd.

PF40 is a trademark of Easy Composites Ltd.

## Easy Composites Ltd

Unit 39, Park Hall Business Village, Longton, Stoke on Trent, Staffordshire, ST3 5XA, United Kingdom.

Tel. +44 (0)1782 454499, Fax. +44 (0)1782 596868, Email [sales@easycomposites.co.uk](mailto:sales@easycomposites.co.uk), Web [www.easycomposites.co.uk](http://www.easycomposites.co.uk)