**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/m³.

**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**

<table>
<thead>
<tr>
<th>Nominal Density</th>
<th>Upper Temp. Limit</th>
<th>Dimensional Stability</th>
<th>Dimensional Stability</th>
<th>Dimensional Stability</th>
</tr>
</thead>
<tbody>
<tr>
<td>96kg/m³ (6lbs/ft³)</td>
<td>100°C</td>
<td>&lt;=0.5%</td>
<td>&lt;=0.5%</td>
<td>No Change</td>
</tr>
</tbody>
</table>

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

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 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 Email. sales@easycomposites.co.uk