

## Description/Image

Polyurethane model board in a very low density of just 80kg/m<sup>3</sup>. This lightweight material is perfect for hand-worked design studies, program testing/proving (for CNC routers) and lightweight model building. Being a modelboard rather than a PU foam (although the two are very similar) means that this material has a much finer and smoother surface finish than a more granular PU foam would have.

## Key Features

- Easy workability by hand
- Much finer surface finish than a PU foam
- Low weight
- Cost effective
- Large sheet sizes available

At this low density it is easily and quickly shaped by hand using conventional tools and can be rapidly machined using manual or CNC machine tools. However, this 'Low Density' block will not result in the same strength and surface finish as a higher density modelboard.

## Typical Uses

- Design studies
- CNC program proving/testing.
- Building Landscapes/Features in architectural and scenario models.

## Specification

### Properties

The following table shows the typical properties of the board:

Property	Unit	Test Method	Value
Density	g/cm <sup>3</sup>	ISO 845	0.08
Flexural Strength	MPa	ISO 178	1.2
E-Modulus	MPa	ISO 178	24
Compressive Strength	MPa	ISO 604	0.75
Temperature Range	°C	-	-80 - 130
Linear CTE	K <sup>-1</sup>	DIN 53 752	70 x 10 <sup>-6</sup>

## Block Dimensions

Thickness (mm)	Block Sizes Available (mm)
100	500 x 500
100	500 x 1000
100	1000 x 1000
100	1000 x 2000

## Transport and Storage

Product has un-limited shelf life when stored flat in dry conditions.

During storage and transport of finished tools and models temperature variations should be kept as moderate as could be.

## Disclaimer

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