

TECHNICAL DATA SHEET

PRODUCT: PU 240 Medium Density Model Board

DESCRIPTION Polyurethane foam model board in a medium density of 240kg/m³. This rigid material is perfect for making patterns, models, and even moulds for short production runs. At this medium density it is easily shaped by hand using conventional tools and can be rapidly machined using manual or CNC machine tools. However, this 'Medium Density' block does not yield the same strength and surface finish as our higher density model board.

- KEY PROPERTIES**
- Easy workability
 - High dimensional stability
 - High Temperature and chemical resistance
 - Good compressive strength
 - Paints/Seals easily

- USES**
- Creating master models/patterns/bucks for forming composite moulds.
 - Forming a mould tool for prototyping short runs of composite parts.
 - Building Landscapes/Features in architectural and scenario models.

PROPERTY	Property	Test Method	Units	Value
	Density	ISO 845	g/cm ³	0.24
	Shore Hardness	ISO 868	Shore	D 25
	Flexural Strength	ISO 178	MPa	5
	E-Modulus	ISO 178	MPa	150
	Compressive Strength	ISO 844	MPa	4
	Heat Distortion Temperature (HDT)	ISO 75B	°C	55-60
	Linear Thermal Expansion Coefficient	DIN 53 752	K ⁻¹	65 x 10 ⁻⁸

DIMENSIONS	Thickness	Block Sizes Available
	50mm	250mm x 250mm 250mm x 500mm 500mm x 500mm 500mm x 1500mm
	100mm	250mm x 250mm 250mm x 500mm 500mm x 500mm 500mm x 1500mm

SHELF LIFE Unlimited shelf-life

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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Easy Composites Ltd, 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