

TECHNICAL DATA SHEET

PRODUCT: PU 80 Low Density Model Board

DESCRIPTION Polyurethane model board in a very low density of just 80kg/m³. 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.

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.

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

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

PROPERTY	Property	Test Method	Units	Value
	Density	ISO 845	g/cm ³	0.08
	Flexural Strength	ISO 178	MPa	1.2
	E-Modulus	ISO 178	MPa	24
	Compressive Strength	ISO 604	MPa	0.75
	Temperature Range		°C	-80 - 130
	Linear Thermal Expansion Coefficient	DIN 53 752	K ⁻¹	70 x 10 ⁻⁶

DIMENSIONS	Thickness	Block Sizes Available
	100mm	500mm x 500mm 500mm x 1000mm 1000mm x 1000mm 1000mm x 2000mm

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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