

## Model Board M100

### *0.100 g/cm<sup>3</sup> Polyurethane Model Board*

Model Board M100 is a board and block material which is conveniently machineable and can also be cut manually.

#### **Applications**

- Styling models
- Back filling of moulds and patterns
- Substructure for hard styling clay
- Test milling programmes
- Test models, display models
- Draw dies
- Large volume models

#### **Technical Data**

Property	Units	Typical Value
Colour	-	Beige
Coefficient of Thermal Expansion	K <sup>-1</sup>	4 x 10 <sup>-6</sup>
Temperature Resistance	°C	Approx 120
Compressive Strength	N/mm <sup>2</sup>	2.0
Flexural Strength	N/mm <sup>2</sup>	1.5
Density	g/cm <sup>3</sup>	0.10

Model Board M100 contains no halogens, plasticizer or solvent. Model Board M100 is manufactured fluorocarbohydrate-free and is physiologically harmless.

#### **Board Measurements**

Product Code	Board Size (mm)
M100-2	1000 x 1000 x 50
M100-4	2000 x 1000 x 100

# Technical Data Sheet



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## **Processing**

Model Board M100 should be processed using wood or metal cutting tools..

## **Further Information**

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 without warranty – this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended process and use.

Before using any of our products, users should familiarise themselves with the relevant Technical and MSDS provided by Alchemie Ltd. This material does not contain any fillers that release harmful dust during machining. Nevertheless the dust content in the air should not rise above 6 mg/m<sup>3</sup>. Safety procedures recommended by the vocational co-operative of the chemical industry should be complied with. The article is not a regulatory product according to ICC regulations. In accordance with general local and national regulations waste is to be disposed by incineration in authorised places or conveyed to authorised tips (EAK 120105).

## Alchemie Limited

Alchemie Ltd develop, formulate and distribute Epoxy Resins, Polyurethane Resins, Silicones, Model Boards and Sheet Wax for use in the following applications:

- Electrical encapsulation
- Rapid Prototyping
- Prototypes
- Casting
- Gel Coating
- Laminating
- Model Making
- Master Models
- Flexible and rigid mould making

We offer fast service, technical support, development expertise, innovative products, diverse knowledge and experience.

We are a well-established company, with a high level of investment and experience. We implement BS EN ISO 9001.

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