Technical Data Sheet

Model Board M301

0.325 g/cm^3 Polyurethane Model Board

Model Board M301 is a board and block material, which can be worked manually or by machine.

Applications

- Styling models
- Substructures for hard-styling-clay
- Test milling programmes
- Back filling for moulds and patterns
- Large volume models
- Draw dies
- Test Models, design models

Technical Data

Property	Units	Typical Value
Colour	-	Off white
Coefficient of Thermal Expansion	K^{-1}	60 x 10^{-6}
Temperature Resistance	℃	65
Hardness	Shore D	37
Compressive Strength	N/mm^2	5.0
Flexural Strength	N/mm^2	6.0
Density	g/cm^3	0.325

Model Board M301 contains no halogens, plasticizer or solvent. Model Board M301 is manufactured fluorocarbohydrate-free and is physiologically harmless.

Board Measurements

Product Code	Board Size (mm)
M301-2	1500 x 500 x 50
M301-3	1500 x 500 x 75
M301-4	1500 x 500 x 100
M301-6	1500 x 500 x 150

Processing

Model Board M301 can be processed using wood or metal working tools. Boards of M301 can be combined using Model Board Adhesive MG 301 or MG 301S.

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^3. 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.

Alchemie® and Alchemix® are registered Trademarks of Alchemie Ltd, Warwick Road, Kineton, Warwick, England, CV35 0HU, England, United Kingdom. Ph: +44 (0)1926 641600; FAX: +44 (0)1926 641698