



# obomodulan® 500 magma

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obomodulan® 500 magma - Technical Data sheet

## Application

- design studies
- laminating models
- master models

## Properties

- homogeneous and smooth surface
- easily shaped and machined
- good dimensional stability

## Description

- **obomodulan® 500 magma** is a Polyurethane based material

## Technical Data\*

Density approx. <b>kg/m3</b>	500
Compressive strength (DIN EN ISO 604 ) approx. <b>MPa</b>	14 – 16
Bending strength (DIN EN ISO 178 ) approx. <b>MPa</b>	17 – 19
Linear thermal expansion coefficient temperature from approx. 25 up to 70 °C (according to DIN 53752) <b>10<sup>-6</sup> .K<sup>-1</sup></b>	45 - 50 x 10 <sup>-6</sup> .K <sup>-1</sup>
Shore-D (DIN 53505) <b>Shore-D</b>	49 – 61
Deflection temperature °C	80 – 85

\*measured average values

### Standard dimensions:

- 1500 x 500 x 50 / 75 / 100 / 150 / 200 mm
- 2000 x 500 x 50 / 75 / 100 mm
- 2000 x 1000 x 50 / 75 / 100 mm

Other dimensions, cuts, bonded blocks, rough pre-milling and block casts on request.

Boards, finished tools and models should be stored flat in dry conditions. The material should be acclimatized to 18 - 25° C prior to machining. Temperature variations should be kept as moderate as possible.

Status: May, 15<sup>th</sup> 2018