



# obomodulan® 1600 sand

### Application

- jigs
- pattern plates
- pressing tools
- hammer form tools
- fixtures

### Properties

- fine surface structure
- easily machined
- very high compressive strength
- low coefficient of thermal expansion

### Description

- **obomodulan® 1600 sand** is a Polyurethane based material

### Technical Data\*

Density approx. <b>kg/m<sup>3</sup></b>	1600
Compressive strength (DIN EN ISO 604 ) approx. <b>MPa</b>	105 – 110
Bending strength (DIN EN ISO 178 ) approx. <b>MPa</b>	75 – 80
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>	88 – 90
Deflection temperature °C	80 – 85

\*measured average values

### Standard dimensions:

- 750 x 500 x 50 / 75 / 100 mm
- 1500 x 500 x 50 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.

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