



## obomodulan® 1400 blue

OBO-Werke GmbH

Am Bahnhof 5 · 31655 Stadthagen · Germany  
Telefon (0 57 21) 78 01-0  
Telefax (0 57 21) 7 78 55  
www.obo-werke.de  
info@obo-werke.de  
USt-Id: DE171274404  
St -Nr : 44/210/02193

obomodulan® 1400 blue - Technical Data sheet

### Application

- lay up tools
- foundry models
- pattern plates



### Properties

- very fine surface structure
- easily machined
- high abrasion resistance



### Description

- **obomodulan® 1400 blue** is a Polyurethane based material

### Technical Data\*

Density approx. <b>kg/m<sup>3</sup></b>	1200
Compressive strength (DIN EN ISO 604 ) approx. <b>MPa</b>	90 – 95
Bending strength (DIN EN ISO 178 ) approx. <b>MPa</b>	95 – 100
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>	70 - 75 x 10 <sup>-6</sup> ·K <sup>-1</sup>
Shore-D (DIN 53505) <b>Shore-D</b>	83 – 87
Deflection temperature °C	80 – 85

\*measured average values

#### Standard dimensions:

- 1000 x 500 x 30 / 50 / 75 / 100 mm
- 1500 x 500 x 30 / 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