



obomodulan® 502 orange

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obomodulan® 502 orange - Technical Data sheet

Application

- design studies
- laminating models
- master models

Properties

- homogeneous and smooth surface
- easily shaped and machined

Description

- **obomodulan® 502 orange** is a Polyurethane based material

Technical Data*

Density approx. kg/m3	470
Compressive strength (DIN EN ISO 604) approx. MPa	13 – 15
Bending strength (DIN EN ISO 178) approx. MPa	14 – 16
Linear thermal expansion coefficient temperature from approx. 25 up to 70 °C (according to DIN 53752) 10⁻⁶ .K⁻¹	50 - 55 x 10 ⁻⁶ .K ⁻¹
Shore-D (DIN 53505) Shore-D	45 – 49
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, 15th 2018