



obomodulan® 700 terra

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obomodulan® 700 terra - Technical Data sheet

Application

- design studies
- laminating models
- master models
- vacuum forming moulds
- foundry patterns

Properties

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

Description

- **obomodulan® 700 terra** is a Polyurethane based material

Technical Data*

Density approx. kg/m3	720
Compressive strength (DIN EN ISO 604) approx. MPa	30 – 35
Bending strength (DIN EN ISO 178) approx. MPa	25 – 30
Linear thermal expansion coefficient temperature from approx. 25 up to 70 °C (according to DIN 53752) 10⁻⁶ .K⁻¹	45 - 50 x 10 ⁻⁶ .K ⁻¹
Shore-D (DIN 53505) Shore-D	69 – 77
Deflection temperature °C	80 – 85

*measured average values

Standard dimensions:

- 1500 x 500 x 25 / 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