



obomodulan® 850 grey

obomodulan® 850 grey - Technical Data sheet

Application

- laminating models
- checking fixtures
- vacuum forming moulds
- foundry patterns

Properties

- very fine surface structure
- easily machined

Description

- **obomodulan® 850 grey** is a Polyurethane based material

Technical Data*

Density approx. kg/m3	810
Compressive strength (DIN EN ISO 604) approx. MPa	30 – 35
Bending strength (DIN EN ISO 178) approx. MPa	30 – 35
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	65 – 77
Deflection temperature °C	90 – 100

*measured average values

Standard dimensions:

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