



obomodulan® 1600 grey

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obomodulan® 1600 grey - Technical Data sheet

Application

- jigs
- thermoplastic deepmdrawing mould
- vacuum forming moulds
- fixtures

Properties

- high deflection temperature up to 120°C
- low coefficient of thermal expansion
- easily machined

Description

obomodulan® 1600 grey has been developed as polyurethane based material loaded with aluminum powder.

Technical Data*

Density approx. kg/m³	1600
Compressive strength (DIN EN ISO 604) approx. MPa	90 – 95
Bending strength (DIN EN ISO 178) approx. MPa	60 – 65
Linear thermal expansion coefficient temperature from approx. 25 up to 70 °C (according to DIN 53752) 10⁻⁶ .K⁻¹	$50 - 55 \times 10^{-6} \cdot K^{-1}$
Shore-D (DIN 53505) Shore-D	85 – 87
Deflection temperature °C	110 – 120

*measured average values

Standard dimensions:

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