



obomodulan® 1600 sand

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obomodulan® 1600 sand Technical Data Sheet

Application

- Pressing & Profile Forming Tools
- Hammer Forms
- Checking Fixtures
- Foundry Patterns & Core Boxes

Properties

- High Mechanical Strength
- Excellent machining characteristics
- good deflection temperature
- homogenous structure
- Low coefficient of thermal expansion

Description

- **obomodulan® 1600 sand** is a polyurethane based material

Physical and Technical Data*

Categories	Measured Average Values
Density kg/m ³ (approx.)	1600
Compressive Strength MPa (DIN EN ISO 604)	116
Flexural Strength MPa (DIN EN ISO 178)	75
Linear Thermal Expansion Coefficient	$49 \times 10^{-6} \cdot K^{-1}$
Shore D ISO 868	88 - 89
Deflection Temperature ISO 75	94° C

*measured average values

The boards are available in the following standard dimensions:

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

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