



obomodulan® 1200 sahara

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obomodulan® 1200 sahara Technical Data Sheet

Application

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

Properties

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

Description

- **obomodulan® 1200 sahara** is a polyurethane based material

Physical and Technical Data*

Categories	Measured Average Values
Density kg/m ³ (approx.)	1200
Compressive Strength MPa (DIN EN ISO 604)	85
Flexural Strength MPa (DIN EN ISO 178)	95
Linear Thermal Expansion Coefficient	$52 \times 10^{-6} \cdot K^{-1}$
Shore D ISO 868	82 - 85
Deflection Temperature ISO 75	90° C

*measured average values

The boards are available in the following standard dimensions:

- 1000 x 500 x 50 / 75 / 100 mm
- 1000 x 1000 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.

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