



obomodulan® 1550 grey

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obomodulan® 1550 grey Technical Data Sheet

Application

- Application requiring thermal conductivity
- Pressing & Profile Forming Tools
- Hammer Forms
- Checking Fixtures
- Routing Fixtures
- Vacuum Forming

Properties

- High Mechanical Strength
- Good Edge Stability
- Excellent machining characteristics
- Dense, high-tensile surface

Description

- **obomodulan® 1550** has been developed as polyurethane based material loaded with aluminum powder for elevated thermal conductivity
- The edges are machined and are suitable as a reference point.

Physical and Technical Data*

Categories	Measured Average Values
Density kg/m ³ (approx.)	1550
Compressive Strength MPa (DIN EN ISO 604)	100
Flexural Strength MPa (DIN EN ISO 178)	100
Linear Thermal Expansion Coefficient	62 x 10 ⁻⁶ · K ⁻¹
Shore D (DIN 53505)	85
Deflection Temperature ISO 75	90°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 / 75 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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