



obomodulan® 1600 grey

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Technical Data Sheet

obomodulan® 1600 grey

Application

- jigs
- thermoplastics deep drawing tools
- vacuum forming moulds
- pattern plates

Properties

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

Description

- **obomodulan® 1600** has been developed as polyurethane based material loaded with aluminum powder
- The edges and surfaces are unmachined

Physical and Technical Data

Categories	Measured Average Values
Density kg/m ³ (approx.)	1600
Compressive Strength Density kg/m ³ (approx.)	94
Flexural Strength MPa (DIN EN ISO 178)	65
Linear Thermal Expansion	43 x 10 ⁻⁶ · K ⁻¹
Shore D Hardness (DIN EN ISO 868)	88
Max. working temperature	120° C

The boards are available in the following standard dimensions:

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

Other dimensions, cuts, bonded blocks 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: 14.06.2016

Sitz der Gesellschaft: Stadthagen, Reg.: Amtsgericht Stadthagen HRB 907
Geschäftsführer: Kurt Hüther, Dr. Gerrit Karalus, Ulrich Krückeberg