



obomodulan® 1700 black

obomodulan® 1700 black - Technical Data sheet

Application

- jigs
- pattern plates
- pressing tools
- fixtures

Properties

- fine surface structure
- easily machined
- very high compressive strength
- low coefficient of thermal expansion

Description

- **obomodulan® 1700 black** is a Polyurethane based material

Technical Data*

Density approx. kg/m3	1600
Compressive strength (DIN EN ISO 604) approx. MPa	105 – 110
Bending strength (DIN EN ISO 178) approx. MPa	75 – 80
Linear thermal expansion coefficient temperature from approx. 25 up to 70 °C (according to DIN 53752) 10⁻⁶ .K⁻¹	45 - 50 x 10 ⁻⁶ .K ⁻¹
Shore-D (DIN 53505) Shore-D	87 – 89
Deflection temperature °C	85 – 90

*measured average values

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.

Status: May, 15th 2018