



obomodulan® 652 HT

obomodulan® 652 HT - Technical Data sheet

Application

- laminating models
- master models
- vacuum forming moulds

Properties

- high deflection temperature up to 120°C
- fine surface structure
- easily machined

Description

- **obomodulan® 652 HT terracotta** is a Polyurethane based material

Technical Data*

Density approx. kg/m3	650	
Compressive strength (DIN EN ISO 604) approx. MPa	25 – 30	
Bending strength (DIN EN ISO 178) approx. MPa	25 – 30	
Shore-D (DIN 53505) Shore-D	55 – 65	
Deflection temperature °C	115 – 120	
Coefficient of thermal expansion acc. to DIN 53752 (T ₀ = 25°C)	30 °C	55 x 10 ⁻⁶ ·K ⁻¹
	40 °C	57 x 10 ⁻⁶ ·K ⁻¹
	50 °C	58 x 10 ⁻⁶ ·K ⁻¹
	60 °C	59 x 10 ⁻⁶ ·K ⁻¹
	70 °C	60 x 10 ⁻⁶ ·K ⁻¹
	80 °C	62 x 10 ⁻⁶ ·K ⁻¹
	90 °C	64 x 10 ⁻⁶ ·K ⁻¹
	100 °C	67 x 10 ⁻⁶ ·K ⁻¹
	110 °C	71 x 10 ⁻⁶ ·K ⁻¹
120 °C	75 x 10 ⁻⁶ ·K ⁻¹	

*measured average values

Standard dimensions:

- 1500 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.

Status: May, 15th 2018