

WB-1000

Board material

Polyurethane Board for Molds and Tools

Key Properties

- Easy to mill
- Low linear coefficient of thermal expansion
- Very fine surface structure

Applications

- Architectural models
- Checking fixtures
- Foundry models
- Thermoforming tools

Mechanical Properties

		Unit	WB-1000
Color		visual	beige
Density	ISO 1183	g/cm ³	ca. 1.00
Hardness	ISO 868	Shore D	75 - 80
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ K ⁻¹	50 - 60
Deflection temperature, HDT	ISO 75	°C	70 - 80
Compressive strength	ISO 604	MPa	45 - 50
Flexural strength	ISO 178	MPa	45 - 50

Processing

The material should be processed at a temperature of 20°C – 25°C.

Dimensions

RAKU® TOOL WB-1000	1500 x 500 x 25 mm 1500 x 500 x 50 mm 1500 x 500 x 75 mm 1500 x 500 x 100 mm
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Storage

The material should be stored flat and in a dry place. Temperature variations should be avoided during storage and transportation.



Handling precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

For information on adhesives and repair pastes see corresponding individual technical data sheets.