

TECHNICAL DATASHEET

RAKU-TOOL® WB-1700



TOOLING

COMPOSITES

Board Material

Polyurethane Board for Tools and Molds

Key Properties

- Very dense surface structure, can be polished
- Easily machined
- Good heat resistance
- High abrasion resistance

Applications

- Sheet metal forming
- Vacuum forming
- Tooling jigs
- Molds for foam and rapid prototyping

Mechanical Properties

			WB-1700
Color	visual		Dark gray
Density	ISO 1183	g/cm ³	ca. 1.70
Shore hardness D	ISO 868		85 – 90
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ K ⁻¹	45 – 50
Deflection temperature, HDT	ISO 75	°C	120 – 125
Compressive strength	ISO 604	MPa	125 – 130
Flexural strength	ISO 178	MPa	80 – 85

Processing

The product should have a temperature of 20°C – 25°C during processing.

Packaging

RAKU-TOOL® WB-1700	750 x 500 x 50 mm
	750 x 500 x 75 mm
	750 x 500 x 100 mm

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 the corresponding individual technical data sheets.