

WB-1700

Board material

Polyurethane Board for Molds and Tools

Key Properties

- Polishable
- Temperature resistant up to 120°C
- Low friction resistance
- Excellent mechanical properties
- Very low linear coefficient of thermal expansion

Applications

- Jigs and checking fixtures for metal parts
- Metal sheet forming tools
- Preform tools for RTM
- Prototyping RTM tools
- Thermoforming tools

Mechanical Properties

		Unit	WB-1700
Color		visual	dark gray
Density	ISO 1183	g/cm³	ca. 1.70
Hardness	ISO 868	Shore D	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 material should be processed at a temperature of 20°C – 25°C.

Dimensions

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