

WB-1404

Board material

Polyurethane Board for Molds and Tools

Key Properties

- Polishable
- Good abrasion resistance
- Good amine resistance
- Good styrene resistance
- Low coefficient of thermal expansion
- Resistant to dry ice cleaning

Applications

- Checking fixtures for metal parts
- Foundry models
- Foundry pattern plates and core boxes
- Hammer tools
- Models and molds for composite applications
- Models and molds for polyester applications
- Molds for low pressure RIM
- Thermoforming tools

Mechanical Properties

		Unit	WB-1404
Color		visual	olive
Density	ISO 1183	g/cm ³	ca. 1.40
Hardness	ISO 868	Shore D	85 - 90
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ K ⁻¹	50 - 55
Deflection temperature, HDT	ISO 75	°C	75 - 80
Compressive strength	ISO 604	MPa	85 - 95
Flexural strength	ISO 178	MPa	80 - 90

Processing

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

Dimensions

RAKU® TOOL WB-1404	1000 x 500 x 30 mm 1000 x 500 x 50 mm 1000 x 500 x 75 mm 1000 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.