

WB-1258

Board material

Polyurethane Board for Molds and Tools

Key Properties

- Excellent abrasion resistance
- High impact resistance
- High edge strength
- Excellent milling characteristics
- Excellent resistance to chemicals

Applications

- Pattern plates
- Core boxes

Mechanical Properties

		Unit	WB-1258
Color		visual	orange
Density	ISO 1183	g/cm³	ca. 1.20
Hardness	ISO 868	Shore D	80 - 85
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ K ⁻¹	70 - 75
Glass transition temperature, Tg	DSC	°C	70 - 75
Compressive strength	ISO 604	MPa	90 - 100
Flexural strength	ISO 178	MPa	100 - 110
Abrasion	Taber	mm³/100R	50 - 55

Processing

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

Dimensions

RAKU® TOOL WB-1258	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.