

## 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

- Metal forming tools
- Vacuum forming molds
- Tooling jigs
- Foam molds, rapid prototyping molds

#### Mechanical Properties

			WB-1700
Color	visual		Dark gray
Density	ASTM D-792	lb/ft <sup>3</sup>	ca. 106
Shore hardness D	ASTM D-2240		85 – 90
Coefficient of thermal expansion	ASTM D-3386	in/in/°F x 10 <sup>-6</sup>	25 – 28
Deflection temperature, HDT	ASTM D-648	°F	248 – 257
Compressive strength	ASTM D-695	psi	18,000 – 19,000
Flexural strength	ASTM D-790	psi	11,000 – 12,000

#### Processing

The product should have a temperature of 68-77°F during processing.

#### Packaging

RAKU® TOOL WB-1700

**29.5x19.7x [2, 3.9] in**

#### Storage

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



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### **Handling Precautions**

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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.

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