

**RAKU-TOOL® WB-1000****Board Material****Polyurethane Board for Tools and Molds**

PC - Rev.-Status: 01- 2005/12/09

Page 1 of 2

**Key Properties**

- Very easily machined
- Low coefficient of thermal expansion
- Good abrasion resistance and edge strength

**Applications**

- Tooling jigs

**Mechanical Properties**

|                                  |           |                                  | WB-1000 |
|----------------------------------|-----------|----------------------------------|---------|
| Color                            | visual    |                                  | Beige   |
| Density                          | ISO 1183  | g/cm <sup>3</sup>                | 1.00    |
| Shore hardness D                 | ISO 868   |                                  | 75 – 85 |
| Coefficient of thermal expansion | ISO 11359 | 10 <sup>-6</sup> K <sup>-1</sup> | 50 – 55 |
| Deflection temperature, HDT      | ISO 75    | °C                               | 70 – 80 |
| Compressive strength             | ISO 604   | MPa                              | 45 – 50 |
| Flexural strength                | ISO 178   | MPa                              | 50 – 55 |

**Processing**

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

**Packaging**

|                    |   |
|--------------------|---|
| RAKU-TOOL® WB-1000 | 1500 x 500 x 50 mm<br>1500 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.

**RAKU-TOOL® WB-1000**

Board Material

Polyurethane Board for Tools and Molds

---

### 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.

---

*Supplied by*

## **AMBERCOMPOSITES**

94 Station Road, Langley Mill  
Nottingham, NG16 4BP United Kingdom  
T: +44 (0)1773 530899 F: +44 (0)1773 768687  
E: sales@ambercomposites.com  
www.ambercomposites.com

RAMPF Tooling GmbH & Co. KG  
Albstr. 37 • D-72661 Grafenberg  
T +49 (0) 7123 9342-1600  
F +49 (0) 7123 9342-1666  
E info@rampf-tooling.com

[www.raku-tool.com](http://www.raku-tool.com)

Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affected thereby.