

## Board Material

### Epoxy Board for Tools & Molds

#### Key Properties

- Very fine surface structure
- Very easily machined
- Good dimensional stability
- Heat resistant up to 130°C

#### Applications

- Lay-up tools for prepreg
- Vacuum forming molds
- High temperature applications

#### Mechanical Properties

			WB-0700
Color	visual		Light green
Density	ASTM D-792	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	ca. 0.70 (ca. 43.8)
Shore hardness D	ASTM D-2240		65 – 70
Coefficient of thermal expansion	ASTM D-3386	10 <sup>-6</sup> K <sup>-1</sup> (in/in/°F x 10 <sup>-6</sup> )	35 – 45 (19 – 25)
Deflection temperature, HDT	ASTM D-648	°C (°F)	130 – 140 (266 – 284)
Compressive strength	ASTM D-695	MPa (psi)	50 – 55 (7,300 – 8,000)
Flexural strength	ASTM D-790	MPa (psi)	30 – 40 (4,400 – 5,800)
Tensile strength	ASTM D-638	MPa (psi)	20 – 25 (2,900 – 3,600)

#### Processing

The product should have a temperature of 20°C – 25°C (68-77°F) during processing.

#### Packaging

RAKU® TOOL WB-0700

1500 x 500 x 50 mm  
(59.1 x 19.7 x 2.0 in)  
1500 x 500 x 75 mm  
(59.1 x 19.7 x 3.0 in)  
1500 x 500 x 100 mm  
(59.1 x 19.7 x 3.9 in)  
1500 x 500 x 150 mm  
(59.1 x 19.7 x 5.9 in)  
1500 x 500 x 200 mm  
(59.1 x 19.7 x 7.9 in)

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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.

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### **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.

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