

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 ³ (lb/ft ³) | ca. 0.70 (ca. 43.8) |
| Shore hardness D | ASTM D-2240 | | 70 – 75 |
| Coefficient of thermal expansion | ASTM D-3386 | 10 ⁻⁶ K ⁻¹ (in/in/°F x 10 ⁻⁶) | 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)

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 the corresponding individual technical data sheets.