

## Board Material

### Polyurethane Board for Modeling

#### Key Properties

- Fine surface structure
- Low coefficient of thermal expansion
- Good dimensional stability
- Good compressive and flexural strength

#### Applications

- Master models
- Cubing models
- Patterns

#### Mechanical Properties

			MB-0720
Color	visual		Brown
Density	ASTM D-792	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	ca. 0.72 (ca. 45.0)
Shore hardness D	ASTM D-2240		60 – 65
Coefficient of thermal expansion	ASTM D-3386	10 <sup>-6</sup> K <sup>-1</sup> (in/in/°F x 10 <sup>-6</sup> )	50 – 55 (28 – 31)
Deflection temperature, HDT	ASTM D-648	°C (°F)	75 – 80 (167 – 176)
Compressive strength	ASTM D-695	MPa (psi)	20 – 25 (2,900 – 3,600)
Flexural strength	ASTM D-790	MPa (psi)	25 – 30 (3,600 – 4,400)

#### Processing

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

#### Packaging

RAKU® TOOL MB-0720

1500 x 500 x 25 mm  
(59.1 x 19.7 x 1.0 in)  
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.**