

## Board Material

### Polyurethane Board for Styling & Design

#### Key Properties

- Excellent surface structure
- Good machinability, easy to process

#### Applications

- Styling models
- Master models
- Data control models

#### Mechanical Properties

			SB-0451
Color	visual		Apricot
Density	ASTM D-792	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	ca. 0.45 (ca. 28.1)
Coefficient of thermal expansion	ASTM D-3386	10 <sup>-6</sup> K <sup>-1</sup> (in/in/°F x 10 <sup>-6</sup> )	60 – 70 (33 – 39)
Deflection temperature, HDT	ASTM D-648	°C (°F)	75 – 80 (167 – 176)
Glass Transition Temperature, T <sub>g</sub>	DSC	°C (°F)	95 – 100 (203 – 212)
Compressive strength	ASTM D-695	MPa (psi)	10 – 15 (1,450 – 2,176)
Flexural strength	ASTM D-790	MPa (psi)	10 – 15 (1,450 – 2,176)

#### Processing

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

#### Packaging

RAKU® TOOL SB-0451	96x24x [2,4,6] in
	96x48x [2,4,6] 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.**