

# RAKU-TOOL® SB-0497

## Board Material

### Polyurethane Board for Styling & Design

PC - Rev.-Status: 01- 2010/02/09

Page 1 of 2

**Key Properties**

- Very fine and smooth surface structure
- Easily machined
- Low coefficient of thermal expansion
- Good Dimensional stability

**Applications**

- Styling models
- Master models
- Data control models

**Mechanical Properties**

			<b>SB-0497</b>
Color	visual		Brown
Density	ASTM D-792	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	0.497 (31.0)
Shore hardness D	ASTM D-2240		45-50
Coefficient of thermal expansion	ASTM D-3386	10 <sup>-6</sup> K <sup>-1</sup> (in/in/°F x 10 <sup>-6</sup> )	45-50 (25-28)
Deflection temperature, HDT	ASTM D-648	°C (°F)	100-115 (212-239)
Glass Transition Temperature T <sub>g</sub>	DSC	°C (°F)	85-95 (185-203)
Compressive strength	ASTM D-695	MPa (psi)	12-16 (1,700-2,300)
Flexural strength	ASTM D-790	MPa (psi)	17-19 (2,500-2,800)

**Processing**

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

**Packaging**

RAKU-TOOL® SB-0497

1 x 24 x 60 in  
 2 x 24 x 60 in  
 3 x 24 x 60 in  
 4 x 24 x 60 in  
 6 x 24 x 60 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.**

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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.