

Board Material

Polyurethane Board for Styling & Design

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

			SB-0497
Color	visual		Brown
Density	ASTM D-792	g/cm ³ (lb/ft ³)	ca. 0.497 (ca. 31.0)
Shore hardness D	ASTM D-2240		45-50
Coefficient of thermal expansion	ASTM D-3386	10 ⁻⁶ K ⁻¹ (in/in/°F x 10 ⁻⁶)	45-50 (25-28)
Deflection temperature, HDT	ASTM D-648	°C (°F)	100-115 (212-239)
Glass Transition Temperature Tg	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.

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.