

e ELLSWORTH TOOLING

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Board Material

Polyurethane Board for Styling & Design

PC - Rev.-Status: 01- 2014/07/01

Page 1 of 2

Key Properties

• Very smooth surface structure

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• Easily machined

Applications

- Styling models
- · Master models and data control models

Mechanical Properties

| | | | SB-0470 |
|----------------------------------|-----------|----------------------------------|----------|
| Color | visual | | Apricot |
| Density | ISO 1183 | g/cm ³ | ca. 0.47 |
| Coefficient of thermal expansion | ISO 11359 | 10 ⁻⁶ K ⁻¹ | 60 – 65 |
| Deflection temperature, HDT | ISO 75 | °C | 60 – 70 |
| Compressive strength | ISO 604 | MPa | 10 – 15 |
| Flexural strength | ISO 178 | MPa | 10 – 15 |

Processing

The product should have a temperature of 20°C – 25°C during processing.

| Packaging | |
|--------------------------------|--|
| | 1500 x 500 x 50 mm 1500 x 500 x 75 mm |
| RAKU-TOOL [®] SB-0470 | 1500 x 500 x 100 mm 1500 x 500 x 150 mm |
| | 1500 x 500 x 200 mm |

Storage

The material should be stored flat and in a dry place. Temperature variations should be avoided during storage and transportation.

RAKU-TOOL® SB-0470

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Page 2 of 2

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.

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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.