



TECHNICAL DATA SHEET

SK2TM80-4

Polyurethane board for master models

► DESCRIPTION

SK2TM80-4 – is a polyurethane board designed for making model-masters, tools, molds, core boxes, foundry patterns and pattern plates.

► PROPERTIES

- low coefficient of linear expansion
- high abrasion resistance
- fine structure
- well workable

| PHYSICAL PROPERTIES | | | |
|--------------------------------------------|-------------------------------|----------------------------------|------------|
| Color | Green | | |
| Density at 20°C | 1,46 ± 0,03 g/cm ³ | | |
| TECHNICAL SPECIFICATIONS | | | |
| Flexural strength | EN ISO 178 | MPa | 85 ± 5 |
| Flexural elongation at break | EN ISO 178 | % | 2,5 ± 0,1 |
| Flexural modulus | EN ISO 178 | MPa | 4720 ± 50 |
| Impact resistance (Charpy) | EN ISO 179 | kJ/m ² | 11,9 ± 0,6 |
| Compressive strength | EN ISO 604 | MPa | 95 ± 2 |
| Heat resistance (HDT) | DIN EN ISO 75 B | °C | 93 ± 2 |
| Shore hardness | DIN ISO 7619-1 | Shore D | 83 ± 3 |
| Coefficient of linear expansion 20 - 50 °C | internal test / dilatometer | 10 ⁻⁶ K ⁻¹ | ca. 56 |

► PROCESSING INSTRUCTIONS

Advices for machining of board material

- Making even of milling support
- Roughing of geometry
- Removing of clamps, if possible over night
- Clamping
- Finishing



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Milling parameters available.

► HANDLING PRECAUTIONS

SK2TM80-4 material is a cured filled polyaddition product, no hazardous dusts when grinding. According to regulations for hazardous goods ebaboard products don't have to be marked during transport and storage. Small quantities can be disposed as domestic waste. For big quantities, please contact your local authorities.

For further information, please consult the product safety data sheet.

► STORAGE

Storage conditions : it is recommended to store at temperature from -20°C to +30°C in the original packing.

► DIMENSIONS

| Unit | Length | Width | Thickness |
|-----------|--------|-------|-----------|
| SK2TM80-4 | 1000mm | 500mm | 50mm |
| | 1000mm | 500mm | 75mm |
| | 1000mm | 500mm | 100mm |

Dimension tolerances of 3 mm in length and width and 0,5 mm in thickness are possible.

Please contact us for other dimensions.

► GUARANTEE

The information of our technical data sheet is based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of the products, under their own conditions before commencing with the proposed application. We refuse any guarantee about the compatibility of a product with any particular application. We disclaim all responsibility for damage from any incident, which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.