



TECHNICAL DATA SHEET

SK2TM78-1

Polyurethane board for master models

► DESCRIPTION

SK2TM78-1 – is a synthetic, post-cured board material on polyurethane base. It has an even structure and plane parallel machined surfaces.

► ADVANTAGES

- Dense structure
- Good edge strength
- Low tension
- Good workability
- Low dust development when milling

► APPLICATIONS

- Master models
- Design Models
- Foundry patterns
- Data control models
- Supporting shells for heat treatment
- Vacuum forming tools (short runs)
- PU-foaming tools (short runs)

► PROPERTIES

- Dense surface
- Very fine structure
- Very well workable
- Easy sealing, good varnishable
- High strength values
- Good edge stability
- Good heat resistance
- Low generation of dust during machining

PHYSICAL PROPERTIES	
Color	Brown
Density at 20°C	0,70 g/cm ³



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TECHNICAL SPECIFICATIONS			
Flexural strength	EN ISO 178	MPa	25
Flexural elongation at break	EN ISO 178	%	4
Flexural modulus	EN ISO 178	MPa	1250
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	4,5
Compressive strength 0,75% proof stress	EN ISO 604	MPa	20
Heat resistance (HDT)	DIN EN ISO 75 B	°C	78
Shore hardness	DIN ISO 7619-1	Shore D	61
Coefficient of thermal expansion 20 – 50°C	Internatl test/ Dilatometer	10 ⁻⁶ K ⁻¹	ca. 50

► PROCESSING INSTRUCTIONS

Advices for machining of boards material:

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

► HANDLING PRECAUTIONS

Basic safety precautions should be met when handling the product:

- ensure good room ventilation
- wear gloves, goggles and protective clothing
- do not smoke during processing.

For more information please see the product safety data sheet.



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► 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
SK2TM78-1	1500mm	500mm	30mm
	1500mm	500mm	50mm
	1500mm	500mm	75mm
	1500mm	500mm	100mm
	1500mm	500mm	150mm
	1500mm	500mm	200mm

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.