



TECHNICAL DATA SHEET

SK2TM78-2

Polyurethane board for master models

► DESCRIPTION

SK2TM78-2 – is a synthetic, post-cured board material on polyurethane base. It has an even structure and plane parallel machined surfaces on all sides.

► PROPERTIES

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

► ADVANTAGES

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

► APPLICATIONS

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

PHYSICAL PROPERTIES	
Color	Brown
Density at 20°C	0,60 ± 0,02 g/cm ³



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TECHNICAL SPECIFICATIONS			
Flexural strength	EN ISO 178	MPa	17 ± 2
Flexural elongation at break	EN ISO 178	%	4 ± 0,5
Flexural modulus	EN ISO 178	MPa	900 ± 200
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	4,5 ± 0,5
Compressive strength 0,75% proof stress	EN ISO 604	MPa	17 ± 0,2
Heat resistance (HDT)	DIN EN ISO 75 B	°C	73 ± 5
Shore hardness	DIN ISO 7619-1	Shore D	55 ± 2
Coefficient of linear expansion 20 - 50°C	Internatl test/Dilatometer	10 ⁻⁶ K ⁻¹	ca. 59

► 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

Normal health and safety precautions should be observed when handling this product:

- ensure good ventilation
- wear gloves and safety glasses
- do not smoke when machining.

For further information, please consult 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
SK2TM78-2	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.