



TECHNICAL DATA SHEET

SK2TM98-1

Polyurethane board for master models

► DESCRIPTION

SK2TM98-1 is a post-cured polyurethane board designed for making of master models. It has even structure and plane parallel machined surfaces.

► ADVANTAGES

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

► PROPERTIES

- Well workable
- Fine structure
- Low density
- Low coefficient of linear expansion

► APPLICATIONS

- Foundry patterns
- Core boxes
- Fixtures

PHYSICAL PROPERTIES			
Color	Light grey		
Density at 20°C	1,05 ± 0,02 g/cm ³		
TECHNICAL SPECIFICATIONS			
Flexural strength	EN ISO 178	MPa	50 ± 5
Flexural modulus	EN ISO 178	MPa	2500 ± 200
Flexural elongation at break	EN ISO 178	%	3,5 ± 0,5
Elongation at break	ISO 37	%	-
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	9 ± 1
Compressive strength	EN ISO 604	MPa	50 ± 5
Heat resistance (HDT)	DIN EN ISO 75 B	°C	98 ± 3



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Shore hardness	DIN ISO 7619-1	Shore D	78 ± 2
Coefficient of linear expansion 20 – 50°C	DIN 53752	10-6K-1	Ca. 60
Wear jet test	Internal tests	W(V/t)[mm ³ /min]	Ca. 196

► 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.

► 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
SK2TM98-1	1500mm	500mm	50mm
	1500mm	500mm	75mm
	1500mm	500mm	100mm



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*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.