



# TECHNICAL DATA SHEET

## SK2TM98-1

### Polyurethane board for master models

#### ► DESCRIPTION

SK2TM98-1 material is available in specified sizes. The surface is machined on all sides. SK2TM98-1 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

#### ► PROPERTIES

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

PHYSICAL PROPERTIES	
Colour	Light grey
Density at 20°C	1,05 ± 0,02 g/cm <sup>3</sup>

MECHANICAL AND THERMAL PROPERTIES			
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	%	-1
Impact resistance (Charpy)	EN ISO 179	kJ/m <sup>2</sup>	9 ± 1
Compressive strength	EN ISO 604	MPa	50 ± 5
Heat resistance (HDT)	DIN EN ISO 75 B	°C	98 ± 3
Shore hardness	DIN ISO 7619-1	Shore D	78 ± 2
Coefficient of linear expansion 20 – 50°C	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	Ca. 60
Wear jet test	Internal tests	W(V/t)[mm <sup>3</sup> /min]	Ca. 196
Abrasion Taber Abraser H 18 Application weight 500g / 250 Rotations	internal	mg	Ca. 227



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#### ► 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

SK2TM98-1 is a cured filled polyaddition product, no hazardous dusts when grinding. According to regulations for hazardous goods, SK2TM98-1 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
SK2TM98-1	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.



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► **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.