

► DESCRIPTION

SK2TM80-5 – is a polyurethane board designed for making master models, tools, molds, core boxes, foundry patterns and pattern plates.

The surface is machined on all sides. SK2TM80-5 – is a synthetic, post-cured board material on polyurethane base. It has an even structure and plane parallel machined surfaces.

► PROPERTIES

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

PHYSICAL PROPERTIES						
Color		Blue				
Density at 20°C		ca. 1,38 ± 0,03 g/cm³				
TECHNICAL SPECIFICATIONS						
Flexural strength	EN ISO 178		MPa	109 ± 5		
Flexural elongation at break	EN ISO 178		%	3,8 ± 0,15		
Flexural modulus	EN ISO 178		MPa	4175 ± 100		
Impact resistance (Charpy)	EN ISO 179		kJ/m²	19,5 ± 2		
Compressive strength	EN ISO 604		MPa	102 ± 5		
Heat resistance (HDT)	DIN EN ISO 75 B		°C	87 ± 2		
Shore hardness	DIN ISO 7619-1		Shore D	85 ± 3		
Coefficient of linear expansion 20- 50 °C	internal test / dilatometer		10 ⁻⁶ K ⁻¹	ca. 69		
Wear jet test	internal tests		W(V/t) [mm ³ /min]	ca. 99		



TECHNICAL DATA SHEET

SK2TM80-5

Polyurethane board for master models

ADVATAGES

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

Milling parameters available.

► HANDLING PRECAUTIONS

SK2TM80-5 material is a cured filled polyaddition product, no hazardous dusts when grinding. According to regulations for hazardous goods boards SK2TM80-5 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.

DIMENSIONS

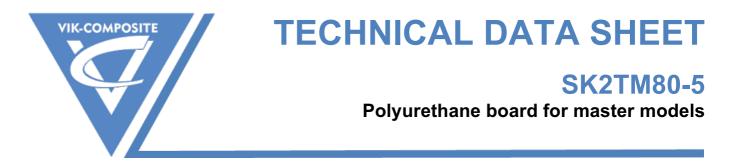
Unit	Length	Width	Thickness
SK2TM80-5	1000mm	500mm	30mm
	1000mm	500mm	50mm
	1000mm	500mm	75mm
	1000mm	500mm	100mm

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

Please contact us for other dimensions.

STORAGE

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



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.