



TECHNICAL DATA SHEET

SK2TM145-1

Epoxy board for master models

► DESCRIPTION

SK2TM145-1 – Epoxy board for master models. It can be used for prepreg tooling, composite moulds, vacuum forming tools. SK2TM145-1 is a synthetic, post-cured board material on epoxy base, has an even structure and plane parallel machined surfaces.

Advantages:

Dense structure
 Good edge strength
 Low strain
 Good workability
 Low dust development when milling

► PROPERTIES

- Low coefficient of linear expansion
- Very fine surface structure
- Very good dimension stability
- Low generation of dust during machining
- Very high heat resistance

PHYSICAL PROPERTIES	
Color	Light blue
Density at 20°C	0,68 ± 0,02 g/cm ³

MECHANICAL AND THERMAL PROPERTIES			
Flexural strength	EN ISO 178	MPa	36 ± 4
Flexural modulus	EN ISO 178	MPa	2100 ± 100
Tensile strength	EN ISO 527-1	MPa	27 ± 4
Tensile modulus	EN ISO 527-1	MPa	2330 ± 100
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	2,75 ± 0,25
Compressive strength	EN ISO 604	MPa	53 ± 4
Heat resistance (HDT)	DIN EN ISO 75 B	°C	145 ± 3
Glass transition temperature TG	Method DSC	°C	138
Shore hardness	DIN ISO 7619-1	Shore D	69 ± 3
Coefficient of linear expansion	Internal test/Dilatometer	10 ⁻⁶ K ⁻¹	Approx 36



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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

SK2TM145-1 is a cured filled polyaddition product, no hazardous dusts when grinding. According to regulations for hazardous goods, SK2TM145-1 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
SK2TM145-1	1524mm	609mm	50mm
	1524mm	609mm	75mm
	1524mm	609mm	100mm
	1524mm	609mm	150mm

Dimension tolerances of 1 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.