PUBOARD 72

Polyurethane Tooling Board

APPLICATIONS

PUBOARD 72 is a polyurethane board for machining or hand shaping of patterns, mock-ups, prototypes and master models.

FEATURES

- Well workable
- Very fine structure
- Low dust when milling
- High strength
- Good temperature resistant
- Good edge stability

PHYSICAL PROPERTIES

Product	PUBOARD72
Color	brown
Density	0.72±0.03g/cm3

MECHANICAL PROPERTIES

Property	Test standard	PUBOARD 72
Hardness	ISO868:2003	Shore D 70±3
Heat deflection temperature	DINENISO75B	70±3°C
Flexural strength	ENISO178	42±2MPa
Flexural modulus	ENISO178	2000±100MPa
Compressive strength	ENISO604	50±5MPa
Coefficient of linear thermal expansion	ENISO11359	$50±5 \times 10^{-6}$ K^{-1}

PROCESSING GUIDELINES

Advice for machining of board material

-Roughing of geometry

- Remove clamps and, where possible, leave the workpiece overnight

-Clamping

-Finishing

For bonding and repairing we recommend our adhesive beige as well as our repair putty beige. The repair putty can also be used as fast adhesive and can be mixed individually with the adhesive following the indications of a mixing table in order to set up the pot-life. Milling parameter are available.

AVAILABLE BOARD DIMENSIONS

1500*500*50mm

1500*500*75mm

1500*500*100mm

Machining block could be obtained by mass casting in polystyrene moulds and intended for milling of jig, checking fixture, moulding tools and patterns.

HANDLING PRECAUTIONS

Process in a well-ventilated area. Avoid skin contact during machining and wear gloves, a mask, safety glasses and protective clothing. For further information, consult the material safety data sheet.

NOTE:

The data above is tested at specific conditions. Processing procedure and conditions might vary in practical applications, therefore it is recommended to carry out tests where necessary before using the product, and to ensure the product could meet the actual requirement. We at EPTEK guarantee that our products meet our highest quality management regulations.

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