

PUBOARD 72

Polyurethane Tooling Board

APPLICATIONS

PUBORAD 72 is the polyurethane slab designed for the production of patterns, mock-ups, prototypes and masters by milling or machining by hand.

FEATURES

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

PHYSICSL PROPERTY

Product	PUBOARD 72
Color	brown
Density	$0.72 \pm 0.03 \text{ g/cm}^3$

MECHANICAL PROPERTY

Property	Test standard	PUBOARD 72
Hardness	ISO 868 : 2003	Shore D 70 ± 3
Heat distortion temperature	DIN EN ISO 75B	$70 \pm 3^\circ\text{C}$
Flexural strength	EN ISO 178	$42 \pm 2 \text{ MPa}$
Flexural modulus	EN ISO 178	$2000 \pm 100 \text{ MPa}$
Compressive strength	EN ISO 604	$50 \pm 5 \text{ MPa}$
Coefficient of linear thermal expansion	EN ISO 11359	$50 \pm 5 \cdot 10^{-6} \text{ K}^{-1}$

PROCESSING GUIDELINES

Advice for machining of board material

- Roughing of geometry
- Removing of clamps, if possible over night
- 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

It should be processed at well-ventilated room; avoid to contact with skin during machining process; wear gloves, mask, safety glass and protective clothing.

For further information, please consult 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.