

PUBOARD 0780

Polyurethane Tooling Board

APPLICATIONS

PUBOARD 0780 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
- Good edge stability
- Well machinable
- Low dust when milling

PHYSICAL PROPERTY

Product	PUBOARD 0780
Color	brown
Density	$0.75 \pm 0.02 \text{ g/cm}^3$

MECHANICAL PROPERTY

Property	Test standard	PUBOARD 0780
Hardness	ISO 868 : 2003	Shore D 70
Heat distortion temperature	DIN EN ISO 75B	72°C
Flexural strength	EN ISO 178	42 MPa
Flexural modulus	EN ISO 178	2000 MPa
Compressive strength	EN ISO 604	50 MPa
Impact strength	EN ISO 179	6.0 KJ/m ²
Coefficient of linear thermal expansion	EN ISO 113590-2	$50 \cdot 10^{-6} \text{ K}^{-1}$

PROCESSING GUIDELINES

Advices 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.