

PUBOARD 0780

Polyurethane Tooling Board

APPLICATIONS

PUBOARD 0780 is a polyurethane board for machining or hand shaping of patterns, mock-ups, prototypes and master models.

FEATURES

- Very fine structure • Well machinable
- Good edge stability • Low dust when milling

PHYSICAL PROPERTIES

Product	PUBOARD 0780
Color	brown
Density	0.75±0.02g/cm ³

MECHANICAL PROPERTIES

Property	Test standard	PUBOARD 0780
Hardness	ISO 868:2003	Shore D 70
Heat deflection temperature	DIN EN ISO 75B	72°C
Flexural strength	EN ISO 178	42MPa
Flexural modulus	EN ISO 178	2000MPa
Compressive strength	EN ISO 604	50MPa
Impact strength	EN ISO 179	6.0KJ/m ²
Coefficient of linear thermal expansion	EN ISO 11359-2	50 × 10 ⁻⁶ K ⁻¹

PROCESSING GUIDELINES

Advices 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 parameters are available.

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AVAILABLE BOARD DIMENSIONS

1500*500*50mm

1500*500*75mm

1500*500*100mm

Machining blocks can be produced by casting into polystyrene moulds and then milled to make jigs, checking fixtures, 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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