

## PUBOARD 75

Polyurethane Tooling Board

## APPLICATIONS

PUBOARD 75 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 75                 |
| Color   | brown                      |
| Density | 0.75±0.02g/cm <sup>3</sup> |

## MECHANICAL PROPERTIES

| Property                                | Test standard  | PUBOARD 75                             |
|-----------------------------------------|----------------|----------------------------------------|
| Hardness                                | ISO868:2003    | Shore D 70±3                           |
| Heat deflection temperature             | DIN EN ISO 75B | >70°C                                  |
| Flexural strength                       | EN ISO 178     | >40MPa                                 |
| Flexural modulus                        | EN ISO 178     | >1600 MPa                              |
| Compressive strength                    | EN ISO 604     | >45MPa                                 |
| Coefficient of linear thermal expansion | EN ISO 11359-2 | <55 × 10 <sup>-6</sup> K <sup>-1</sup> |

## PROCESSING GUIDELINES

Advice for machining of board material

- Roughing of geometry
- Remove clamps and, where possible, leave the workpiece overnight
- Clamping
- Finishing

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For bonding and repairing we recommend our adhesive beige as well as our repair putty beige.

Therepairputtycanalsobeusedasfastadhesiveandcanbemixedindividuallywiththe 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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