

PUBOARD 1650

High density Polyurethane Tooling Board

APPLICATIONS

PUBORAD 1650 is the polyurethane slab designed for the production of jig, checking fixture, moulding tools and foundry pattens.

FEATURES

- Low coefficient of thermal expansion
- High strength
- Good edge stability
- Dense surface with high density
- Well workable
- Low dust when milling

PHYSICAL PROPERTY

Product	PUBOARD 1650
Color	Beige
Density	$1.65 \pm 0.05 \text{ g/cm}^3$

MECHANICAL PROPERTY

Property	Test standard	PUBOARD 1650
Hardness	ISO 868 : 2003	Shore D 84
Heat distortion temperature	DIN EN ISO 75B	80 °C
Flexural strength	EN ISO 178	60 MPa
Flexural modulus	EN ISO 178	800 MPa
Compressive strength	EN ISO 604	95 MPa
Impact strength	EN ISO 179	8.0 KJ/m ²
Coefficient of linear thermal expansion	EN ISO 113590-2	$43 \cdot 10^{-6} \text{ K}^{-1}$

PROCESSING GUIDELINES

Advices for machining of board material

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

For bonding we recommend our adhesive EPBOND 2016.

AVAILABLE BOARD DIMENSIONS

700*500*50mm

700*500*75mm

700*500*100mm

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

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.