

PUBOARD 1250

Polyurethane Tooling Board

APPLICATIONS

PUBORAD 1250 is the polyurethane slab designed for the production of jig, checking fixture, moulding tools and foundry patterns.

FEATURES

- High abrasion resistant
- Dense surface
- High compression strength
- Good edge stability

PHYSICSL PROPERTY

Product	PUBOARD 1250
Color	light green
Density	$1.25 \pm 0.05 \text{ g/cm}^3$

MECHANICAL PROPERTY

Property	Test standard	PUBOARD 1250
Hardness	ISO 868 : 2003	Shore D 80±3
Heat distortion temperature	ISO 75B	80±3 °C
Flexural strength	ISO 178	70±10 MPa
Flexural modulus	ISO 178	3000±200 MPa
Compressive strength	ISO 604	90±5 MPa
Coefficient of linear thermal expansion	ISO 11359-2	$62 \times 10^{-6} \text{ K}^{-1}$

PROCESSING GUIDELINES

Advice for machining of board material

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

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 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.