

PUBOARD 1350

Polyurethane Tooling Board

APPLICATIONS

PUBORAD 1350 is the polyurethane slab designed for the production of core boxes, foundry models and match plates in Cold box Processing; and for the Manufacture of diverse moulds, tools and gauges.

FEATURES

- High abrasion resistant
- Low coefficient of thermal expansion
- Very good dust-free milling property
- Good dimensional stability
- High mechanical strength and edge stability
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PHYSICSL PROPERTY

Product	PUBOARD 1350
Color	Blue
Density	$1.35 \pm 0.05 \text{ g/cm}^3$

MECHANICAL PROPERTY

Property	Test standard	PUBOARD 1350
Hardness	ISO 868 : 2003	Shore D 85 $\pm$ 2
Heat distortion temperature	ISO 75B	90 $\pm$ 5 °C
Flexural strength	ISO 178	140 $\pm$ 10 MPa
Flexural modulus	ISO 178	3600 $\pm$ 200 MPa
Compressive strength	ISO 604	130 $\pm$ 10 MPa
Impact strength	ISO 179	43 $\pm$ 5 KJ/m ²
Coefficient of linear thermal expansion	ISO 11359-2	60 $\pm$ 5*10 ⁻⁶ K ⁻¹

PROCESSING GUIDELINES

Advices 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.