

PUBOARD 1250

Polyurethane Tooling Board

APPLICATIONS

PUBOARD 1250 is a polyurethane tooling board for jigs, checking fixtures, molding tools and foundry patterns.

FEATURES

- High abrasion resistance • High compressive strength
- Dense surface • Good edge stability

PHYSICAL PROPERTIES

Product	PUBOARD 1250
Color	Light green
Density	1.25±0.05g/cm ³

MECHANICAL PROPERTIES

Property	Test standard	PUBOARD 1250
Hardness	ISO868:2003	Shore D 80±3
Heat deflection temperature	ISO75B	80±3°C
Flexural strength	ISO178	70±10MPa
Flexural modulus	ISO178	3000±200MPa
Compressive strength	ISO604	90±5MPa
Coefficient of linear thermal expansion	ISO11359-2	62 × 10 ⁻⁶ K ⁻¹

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PROCESSING GUIDELINES

Advice for machining of board material

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

AVAILABLE BOARD DIMENSIONS

1500*500*50mm

1500*500*75mm

1500*500*100mm

Machining blocks can be produced by casting into polystyrene molds and then milled to make jigs, checking fixtures, molding 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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US customary-unit equivalents

US customary-unit equivalents are provided for convenience alongside the original SI test data. The original source values and test methods remain the controlling reference. Converted values are rounded.

Source value	US equivalent
1.25±0.05 g/cm ³	78 ± 3.121 lb/ft ³
80±3 °C	176 ± 5.4 °F
70±10 MPa	10153 ± 1450 psi
3000±200 MPa	435113 ± 29008 psi
90±5 MPa	13053 ± 725.2 psi
1500*500*50 mm	59.1 × 19.7 × 1.969 in (4.921 × 1.64 × 0.164 ft)
1500*500*75 mm	59.1 × 19.7 × 2.953 in (4.921 × 1.64 × 0.2461 ft)
1500*500*100 mm	59.1 × 19.7 × 3.937 in (4.921 × 1.64 × 0.3281 ft)