PUBOARD 1050

Polyurethane Tooling Board

APPLICATIONS

PUBOARD 1050 is a medium-density polyurethane tooling board for master models, core boxes, foundry patterns, checking fixtures, moulds, tools and gauges.

FEATURES

• Low density • Fine structure

• Low coefficient of thermal expansion • High mechanical strength and edge stability

PHYSICAL PROPERTIES

Product	PUBOARD 1050
Color	Lightgrey
Density	1.05±0.05g/cm3

MECHANICAL PROPERTIES

Property	Test standard	PUBOARD 1050
Hardness	ISO868:2003	Shore D 78±2
Heat deflection temperature	ISO75B	95±5°C
Flexural strength	ISO178	50±5MPa
Flexural modulus	ISO178	2500±300MPa
Compressive strength	ISO604	50±6MPa
Impact strength	ISO179	9±1KJ/m2
Coefficient of linear thermal expansion(20-50°C)	ISO11359-2	$60±5 \times 10^{-6}$ K^{-1}

PROCESSING GUIDELINES

Advices 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 moulds and then milled to make jigs, checking fixtures, 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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