

Polyurethane board

Applications

gauge construction
vacuum forming tools

Properties

machined on all sides
density 1,70 g/cm³
coefficient of linear expansion $\sim 45 \times 10^{-6} \text{ 1 / K}$
heat resistance 85 °C
also available as customised ebablock®

Processing data

Product	ebaboard 1700		
Colour	grey		
Density at 20 °C	g/cm ³	1,70 ± 0,02	

Physical data

Properties	Inspect. Requirements	Unit	Value
Flexural strength	EN ISO 178*	MPa	65 ± 5
Flexural elongation at break	EN ISO 178*	%	1,1 ± 0,1
Flexural modulus	EN ISO 178*	MPa	7400 ± 300
Compressive strength	EN 604*	MPa	110 ± 10
Impact resistance (Charpy)	EN ISO 179*	kJ/m ²	6 ± 1
Heat deflection temperature HDT	DIN EN ISO 75-1*	°C	85 ± 2
Coefficient of linear expansion 20 - 50 °C	Internal audit/Dilatometer	10 ⁻⁶ K ⁻¹	~45
Shore hardness	DIN ISO 48-4*		88 ± 3

* based on

Sales units (packages)

ebaboard 1700 grey 1000 x 500 x 50 mm
ebaboard 1700 grey 1000 x 500 x 75 mm
ebaboard 1700 grey 1000 x 500 x 100 mm
Block, custom-cast

additional products

ebafix grey resin, 0,375 kg tin
H 2017 amber hardener, 0.045 kg tin

Processing instructions

Before processing, the material should be conditioned to a temperature of 18–25°C.

ebaboard can be machined using all standard wood and metalworking tools. High-quality, sharp tools should be used.

Recommended milling parameters can be found on our website: www.ebalta.com

- For bonding and repairs, we recommend our ebafix grey.

General

ebaboard is a postcured board material based on polyurethan. It has an even structure and plane parallel machined surfaces.

ebaboard is available in fixed sizes.

Also available as eblock® with customized dimensions and shapes.

Storing

The material should be stored on a level, dry surface.

Significant temperature fluctuations during storage and transport should be avoided

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material.

Please refer to the respective safety data sheets

Waste Disposal

Small quantities can be disposed of in commercial waste.

For larger quantities, this should be coordinated with the relevant authorities.

For further questions, our product safety department is at your disposal

Compliance & Legal

The information and recommendations provided are based on careful evaluation and practical experience. They reflect the state of our knowledge at the time of provision. Updates may be made without notice.

The information is intended as general guidance and does not constitute a warranty of specific characteristics or properties of the product. Due to the wide range of potential applications and processing methods, not all individual use cases can be covered.

The product must be used in accordance with the applicable safety and usage instructions. No liability will be accepted for improper use or application outside the intended purpose.

Unless otherwise agreed, it is the responsibility of the user to independently assess the suitability of the product for the intended application and processing method.

The information provided does not release the user from the obligation to seek individual advice in cases of uncertainty regarding specific applications.

Statutory warranty rights remain unaffected.