

ebaboard 610 EF

Technical Datasheet



Polyurethane board

Applications

master models
data control models
vacuum forming tools
postcuring tools

Properties

machined on all sides	
density	0,60 g/cm ³
coefficient of linear expansion	~60 x 10 ⁻⁶ 1 / K
heat resistance	104 °C
• contains more than 85% upcycled polyurethane	
Fire class	B2

Processing data

Product	ebaboard 610 EF	
Colour	beige	
Density at 20 °C	g/cm ³	0,60 ± 0,02

Physical data

Properties	Inspect. Requirements	Unit	Value
Flexural strength	EN ISO 178*	MPa	17 ± 1
Flexural elongation at break	EN ISO 178*	%	3,3 ± 0,2
Flexural modulus	EN ISO 178*	MPa	570 ± 17
Compressive strength	EN 604*	MPa	15 ± 1
Impact resistance (Charpy)	EN ISO 179*	kJ/m ²	2,1 ± 0,3
Heat deflection temperature HDT	DIN EN ISO 75-1*	°C	104 ± 4
Glass transition TG	DSC	°C	~157
Coefficient of linear expansion 20 - 50 °C	Internal audit/Dilatometer	10 ⁻⁶ K ⁻¹	~60
Shore hardness	DIN ISO 48-4*	Shore D	61 ± 2

* based on

Sales units (packages)

ebaboard 610 EF beige 1520x600x50 mm
ebaboard 610 EF beige 1520x600x75 mm
ebaboard 610 EF beige 1520x600x100 mm

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 ebafix for ebazell boards.

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.

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.