

Basis **ebaboard EP 180**

Colour green

Applications

- Direct tooling
- Composite moulds
- Prepreg tools
- Vacuum forming tools

Properties

- very fine surface structure
- very high heat resistance
- low coefficient of thermal expansion
- good dimension stability
- low generation of dust during machining

Processing data

Product	ebaboard EP 180		
Colour	green		
Density at 20°C	g / cm ³	0,70 ± 0,02	

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	38 ± 4
Flexural modulus	EN ISO 178	MPa	1770 ± 100
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	5,10 ± 0,6
Compressive strength	EN ISO 604	MPa	49 ± 0,9
Shore hardness	DIN ISO 7619-1	Shore D	72 ± 3
Heat resistance (HDT)	DIN EN ISO 75 B	°C	174 ± 3
Glass transition temperature T _g	DSC	°C	174 ± 3
Coefficient of thermal expansion	internal test / Dilatometer	10 ⁻⁶ K ⁻¹	20 - 50 °C / 56 50 - 120 °C / 60 20 - 120 °C / 59

Sales units (packages)

ebaboard EP 180	1524 x 609 x 50 mm
	1524 x 609 x 75 mm
	1524 x 609 x 100 mm
	1524 x 609 x 150 mm

Processing instructions

Advice for machining of board material

- Making even of milling support
- Roughing of geometry
- Remove clamps, if possible allow to relax over night
- Clamping
- Finishing

In General

ebaboard material is available in specified sizes. The surface is machined on all sides. **ebaboard** is a synthetic, post-cured board material on epoxy base. It has an even structure and plane parallel machined surfaces.

Advantages:

- Dense structure
- Good edge strength
- Low strain
- Good workability
- Low dust development when milling

Dimension tolerances of 3 mm in length and width and 0,5 mm in thickness are possible..

Safety measure

ebaboard material is a cured filled polyaddition product, no hazardous dusts when grinding.
According to regulations for hazardous goods **ebaboard** products don't have to be marked during transport and storage.
Please follow safety advices !

Waste Disposal

Small quantities can be disposed as domestic waste. For big quantities, contact your local authorities, please.

In case of further questions please do not hesitate to contact our department for product safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.