

Basis	<b>ebablock® 140</b>
Colour	blue

### Applications

- Foundry patterns
- Core boxes
- Pattern plates

### Properties

- low thermal expansion
- high abrasion resistance
- fine structure
- well workable

### Processing data

<b>Product</b>	<b>ebablock® 140</b>		
Colour	blue		
Density at 20°C	g / cm <sup>3</sup>	1,38 ± 0,03	

### Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	109 ± 5
Flexural modulus	EN ISO 178	MPa	4175 ± 100
Flexural strength at breakage	EN ISO 178	%	3,8 ± 0,15
Tensile strength	EN ISO 527	MPa	-
Elongation	EN ISO 527	%	-
Compressive strength	EN ISO 604	MPa	102 ± 5
Impact resistance (Charpy)	EN ISO 179	kJ/m <sup>2</sup>	19,5 ± 2
Heat resistance (HDT)	DIN EN ISO 75 B	°C	87 ± 2
Shore hardness	DIN 53505	Shore D	85 ± 3
Coefficient of linear expansion	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	ca. 65
Abrasion Taber Abraser H 18 Application weight 500g / 500 Rotations	internal	mg	ca. 62

### Sales units (packages)

**ebablock® 140**

Block material, dimensions variable  
board material, ebaboard 140  
1000 x 500 x 50 mm  
1000 x 500 x 75 mm  
1000 x 500 x 100 mm

## Processing instructions

Advices for machining of block material

- Making even of milling support
- Roughing of geometry
- Removing of clamps, if possible over night
- Clamping
- Finishing

The gluing of the board material is made with our „adhesive for board material“.  
The glued parts are easily fixed by clamps or by weight.

## In General

**ebablock®** material is available as rough boards and blocks:

Advantages:

- Dense structure
- Jointless
- Low-stress
- Close to contour and variable measurements

Please take dimensional allowances into consideration regarding sizes of rough blocks and boards. We recommend an addition of 10 mm per dimension.

Dimensional tolerance of 1-2% possible.

During casting of a block/blank voids or colour shades may occur. Therefore we can not give any guarantee, that the block/blank is completely free from bubbles. In case of a casting thickness over 250 mm or complex contours we reserve the right to cast in parts. Colour shades, bubbles and parting lines are not considered as inferior quality.

"VP"-products are experimental products.  
Slight changes regarding technical data are still possible.

## Safety measure

**ebablock®** material is a cured filled polyaddition product, no hazardous dusts when grinding.  
Anyway the quantity of dusts coming from mechanical treatment of wood and metal 6 mg/m<sup>3</sup> (MAC-value)- must not be exceeded.

According to regulations for hazardous products all **ebablock®** products are not to be marked for transport and storage. Please follow safety advices !

## Waste Disposal

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

**ebalta** Kunststoff GmbH . Erlbacher Straße 100 . 91541 Rothenburg ob der Tauber / Germany  
Tel.: +49 9861 7007-0 . Fax: +49 9861 7007-77 . info@ebalta.de . www.ebalta.de