ebaboard PW 920

Technical Datasheet

Polyurethane board

Applications

core boxes
foundry models
form recordings

Properties

machined on all sides	
abrasion resistant	
density	1,22 g/cm³
also available as customised ebablock®	

Processing data

Product		ebaboard PW 920
Colour		green
Density at 20 °C	g/cm³	1,22 ± 0,03

Physical data

Properties	**Inspect. Requirements**	**Unit**	**Value**
Flexural strength	DIN EN ISO 178*	MPa	110 ± 5
Flexural elongation at break	DIN EN ISO 178*	%	6,4 ± 0,2
Flexural modulus	DIN EN ISO 178*	MPa	3100 ± 200
Compressive strength	DIN EN ISO 604*	MPa	95 ± 5
Impact resistance (Charpy)	DIN EN ISO 179-1*	kJ/m²	50 ± 10
Heat deflection temperature HDT	DIN EN ISO 75 B*	°C	80 ± 3
Coefficient of linear expansion 20 - 50 °C	Internal audit/Dilatometer	$10^{-6}K^{-1}$	≈87
Shore hardness	DIN ISO 48-4*	Shore D	85 ± 3
Abrieb Taber Abraser H 18 500g/500U	Internal audit	mg	≈72
Wear jet test	Internal audit	mm³/min	≈91

* based on

Sales units (packages)

ebaboard PW 920 green 1000 x 500 x 30 mm
ebaboard PW 920 green 1000 x 500 x 50 mm
ebaboard PW 920 green 1000 x 500 x 75 mm
ebaboard PW 920 green 1000 x 500 x 100 mm
ebablock, dimensions variable / contour block
additional products
ebafix green comp.A, 1 kg
ebafix green comp.A, 5 kg
Repair putty green comp. A, 1 kg tin
repair putty green comp. A, 5 kg drum

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com

PUR 50 brown comp. B 0,500 kg bottle
PUR 50 brown comp. B, 2,500 kg can
casting compound green comp. A, 0,500kg tin
PUR 52 yellow transparent, comp. B, 0,250 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 any design changes, we recommend using the casting resin green.
• For bonding and repairs, we recommend our ebafix green or our repair putty green.
• The repair putty can also be used as a fast adhesive and can be individually mixed using a mixing chart to achieve different pot lives.

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 ebablock® 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.

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com