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|-----------------|------------------------------------|
| Basis | Polyurethane block material |
| Colour | blue |
| Further colours | beige |

Applications

- Master models for prepreg tools
- Master models for nickel shell tools
- Tools for low temperature prepreps
- Moulding tools

Properties

- low coefficient of thermal expansion
- high heat resistance
- big volume blocks available
- very dense surface
- self-extinguishing according to UL 94 V0, FileE191776

Processing data

| | | | |
|-----------------|------------------------|-------------|--|
| Product | ebablock® P 185 | | |
| Colour | blue | | |
| Density at 20°C | g / cm ³ | 1,86 ± 0,05 | |

Physical data

| Properties | Inspect. requirem. | Unit | Value |
|---|------------------------------|----------------------------------|-------------|
| Flexural strength | EN ISO 178 | MPa | 70 ± 5 |
| Flexural elongation at break | EN ISO 178 | % | 0,73 ± 0,02 |
| Flexural modulus | EN ISO 178 | MPa | 11350 ± 200 |
| Impact resistance (Charpy) | EN ISO 179 | kJ/m ² | 3 ± 0,5 |
| Compressive strength | EN ISO 604 | MPa | 120 ± 5 |
| Heat resistance (HDT) | DIN EN ISO 75 B | °C | 115 ± 5 |
| Shore hardness | DIN ISO 7619-1 | Shore D | 90 ± 3 |
| coefficient of thermal expansion 20 - 50 °C | internatl test / Dilatometer | 10 ⁻⁶ K ⁻¹ | ca. 39 |
| Flammability | UL 94 | coating thickness 4 mm | V0 |

Sales units (packages)

ebablock® P 185

Block material, dimensions variable
Individual cast-to-size block material with variable dimensions

Processing instructions

Advices for machining of block material

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

Milling parameters available.

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 % 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 400 mm or complex contours we reserve the right to cast in parts. Colour shades, bubbles and parting lines are not considered as inferior quality.

Safety measure

ebablock® material is a cured filled polyaddition product, no hazardous dusts when grinding.

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.