PS 02 / BRIL

Technical Datasheet

Applications

core boxes
foundry models
mould making

Properties

filled with glass fibres

Processing data

Product		**Mixture**	**Resin**	**Hardener**
		PS 02 / BRIL	PS 02	BRIL
Colour		grey-blue	grey	blue
Mixing ratio	**p.b.w.**		100	12
Viscosity at 25 °C	mPas	pasty	pasty	175 ± 25
Density at 20 °C	g/cm³	1,05 ± 0,02	1,06 ± 0,02	0,95 ±0,02
Pot Life	minutes	50 - 60		
Demoulding time	hours	12 - 16		

Physical data

Properties	**Inspect. Requirements**	**Unit**	**Value**
Flexural strength	EN ISO 178*	MPa	33 ± 3
Flexural elongation at break	EN ISO 178*	%	0,85 ± 0,1
Flexural modulus	EN ISO 178*	MPa	4600 ± 450
Compressive strength	EN 604*	MPa	60 ± 5
Impact resistance (Charpy)	EN ISO 179*	kJ/m²	4 ± 0,5
Shore hardness	DIN ISO 48-4*	Shore D	80 ± 2

* based on

Sales units (packages)

PS 02 grey resin 20 kg drum
PS 02 grey resin refill pack 25 kg cardboard box
BRIL blue hardener 2,500 kg can
BRIL blue hardener 5 kg can

Processing instructions

Material- and processing temperature: between 18 - 25 °C.
Close containers after use.

The smooth resin paste should be mixed with the liquid hardener in a mechanical mixer.
Alternatively, it can also be mixed with a star stirrer attached to a electric drill, or in small quantities, by hand.
Proper mixing is easy to recognize when a uniform color tone has formed from the blue hardener and the gray resin paste.

After application, the paste can be smoothed using a brush or rubber glove and water.

Mixing containers and stirrers can be cleaned with water.

General

PS 02 is a smooth, glass fiber-reinforced epoxy resin paste.
This laminating paste is particularly suitable for lightweight construction of large-area reinforcements.

Layer thicknesses of 15 – 25 mm can be applied.

All specified characteristic values were determined after 7 days of storage at room temperature.
The pot life was determined in accordance with internal test procedures using a 200 g sample at room temperature (approx. 23 °C).
The demolding times refer to demolding at room temperature

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Please refer to the product labels for the shelf life of the material.

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

The cured materials can be disposed of as household or commercial waste in consultation with the respective competent authority.

Uncured products must be properly disposed of in consultation with the competent authority.

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.