

Casting compound green / PUR

Technical Datasheet



Auxiliaries and equipment

Applications

Casting resin for eba-board PW 920 / eba-block® 920
Casting resin for eba-board 1190

Properties

good flow behaviour	
heat resistance	95 °C

Processing data

Product		Mixture	Resin	Hardener
		Casting compound green /	Casting compound green Comp. A	PUR 52 Comp. B
Colour		green	green	transparent
Mixing ratio	p.b.w.		100	50
Viscosity at 25 °C	mPas	800 ± 200	5000 ± 800	15 ± 5
Density at 20 °C	g/cm ³	1,38 ± 0,05	1,38 ± 0,05	1,22 ± 0,02
Pot Life	minutes	18 - 22		
Demoulding time	hours	4 - 10		

Physical data

Properties	Inspect. Requirements	Unit	Value
Flexural strength	EN ISO 178*	MPa	80 ± 5
Flexural elongation at break	EN ISO 178*	%	5,3 ± 1
Flexural modulus	EN ISO 178*	MPa	3000 ± 250
Compressive strength	EN 604*	MPa	70 ± 5
Heat deflection temperature HDT	DIN EN ISO 75-1*	°C	95 ± 3
Coefficient of linear expansion 20 - 50 °C	Internal audit/Dilatometer	10 ⁻⁶ K ⁻¹	~85
Shore hardness	DIN ISO 48-4*	Shore D	86 ± 3

* based on

Sales units (packages)

casting compound green comp. A, 0,500kg tin
PUR 52 yellow transparent, comp. B, 0,250 kg tin

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Processing instructions

Material- and processing temperature: between 18 - 25 °C.

Close containers after use.

The mixing ratio of resin and hardener must be adhered to according to the specifications.

Components A and B must be mixed thoroughly.

Resin residues on stirring rods, etc., can be easily cleaned with ebaclean.

General

The casting compound is a two-component polyurethane-based system that cures at room temperature.

All specified characteristic values were determined after thermal conditioning at 80 °C for 8 hours.

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.