

Basis **Filled casting resin system**
 Resin **SG 900 Comp. A**
 Hardener **SG 900 Comp. B**

Colour beige
 Further colours black

Applications

- Foundry patterns
- Core boxes
- Control castings
- Prototypes
- Mould probes for trimming of prototypes

Properties

- filled
- well castable
- dimensionally accurate
- versatile

Processing data

Product		Mixture SG 900 / Comp. A+B	Resin SG 900 Comp. A	Hardener SG 900 Comp. B
Colour		beige	beige	beige
Mixing ratio	p. b. w.		100	100
Viscosity at 25°C	mPas	900 ± 150	1000 ± 150	500 ± 100
Density at 20°C	g / cm ³	1,69 ± 0,05	1,60 ± 0,05	1,75 ± 0,05
Pot life 200 g / 20°C	min.	4 - 7	-	-
Curing time at RT	hrs.	1 - 2	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	60 ± 5
Flexural modulus	EN ISO 178	MPa	5500 ± 400
Flexural strength at breakage	EN ISO 178	%	1,83 ± 0,15
Compressive strength	EN ISO 604	MPa	65 ± 5
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	7 ± 1
Heat resistance (HDT)	DIN EN ISO 75 B	°C	86 ± 3
Shore hardness	DIN 53505	Shore D	82 ± 2
Coefficient of linear expansion	DIN 53752	10 ⁻⁶ K ⁻¹	-
Linear shrinkage	internal	%	ca. 0,13

Sales units (packages)

Packing size B-Pack SG 900 / Comp. A+B Resin 6 x 0,700 kg /Hardener 6 x 0,700 kg = 8,400 kg

Processing instructions

Each component should be mixed carefully before the two components are mixed in the stated mixing ratio till a homogeneous colour results.

Then the material can be cast on a dry and clean surface, which has been treated before with a suitable release agent.

In General

ebalta SG 900 is a versatile applicable two-component Polyurethane casting resin, which cures very fast at room temperature. Depending on the cast layer thickness SG 900 can be demoulded after 20 to 40 minutes. Several layers can be cast on each other.

Due to the tolerance of the mixing ratio a mixing ratio of 1:1 in weight- or volume-content is possible.

Material should be carefully stirred up/ shaken before use.

Storing

At room temperature (18 – 25°C) and closed original containers storage life is 6 months.

Partly used containers have always to be closed and the material has to be used up as soon as possible.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

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.

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