

Basis	impact resistant prototype-casting resin
Resin	SG 197 Komp. A
Hardener	SG 197 Komp. B
Colour	ivory

Applications

- Prototypes and short runs design
- Prototypes and short runs industry
- Toys
- Decoration stuff
- Swivel-cast procedure

Properties

- high impact strength
- very well castable
- low viscosity

Processing data

Product		Mixture SG 197 / Comp. A+B	Resin SG 197 Komp. A	Hardener SG 197 Komp. B
Colour		ivory	beige	brown transparent
Mixing ratio	p. b. w.		100	100
	volume		100	100
Viscosity at 25°C	mPas	70 ± 10	80 ± 10	60 ± 10
Density at 20°C	g / cm ³	1,10 ± 0,02	1,10 ± 0,02	1,10 ± 0,02
Pot life 200 g / 20°C	min.	4 - 6	-	-
Curing time at RT	min.	30 - 40	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	34 ± 2
Flexural elongation at break	EN ISO 178	%	7 ± 0,2
Flexural modulus	EN ISO 178	MPa	920 ± 50
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	51 ± 6
Compressive strength	EN ISO 604	MPa	27 ± 1
Heat resistance (HDT)	DIN EN ISO 75 B	°C	57 ± 2
Shore hardness	DIN ISO 7619-1	Shore D	65 ± 3
coefficient of thermal expansion	internal test / Dilatometer	10 ⁻⁶ K ⁻¹	-
Linear shrinkage	internal	%	-

Sales units (packages)

Units	Resin	SG 197 Komp. A	1,000 kg / 5,000 kg
	Hardener	SG 197 Komp. B	1,000 kg / 5,000 kg

In General

This is a Polyurethane system.

Material should be carefully stirred up/ shaken before use.

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.

Shelf life is indicated on the labels.

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.