

SG 198 Comp. A + B

Technical Datasheet



Unfilled polyurethane fast-casting resin

Applications

prototype parts
tough elastic components
small series parts
art objects

Properties

low viscosity
impact resistant
unfilled

Processing data

Product		Mixture	Resin	Hardener
		SG 198 Comp. A + B	SG 198 Comp. A	SG 198 Comp. B
Colour		ivory	whitish	yellowish-transparent
Mixing ratio	p.b.w.		100	100
Viscosity at 25 °C	mPas	40 ± 5	70 ± 10	25 ± 5
Density at 20 °C	g/cm ³	1,10 ± 0,02	1,02 ± 0,02	1,14 ± 0,02
Pot Life	minutes	2 - 3,5		
Demoulding time	minutes	15 - 30		

Physical data

Properties	Inspect. Requirements	Unit	Value
Flexural strength	DIN EN ISO 178*	MPa	42 ± 4
Flexural elongation at break	DIN EN ISO 178*	%	6,4 ± 0,4
Flexural modulus	DIN EN ISO 178*	MPa	1175 ± 100
Compressive strength	DIN EN ISO 604*	MPa	34 ± 3
Impact resistance (Charpy)	DIN EN ISO 179-1*	kJ/m ²	50 ± 8
Heat deflection temperature HDT	DIN EN ISO 75 B*	°C	60 ± 2
Shore hardness	DIN ISO 48-4*	Shore D	70 ± 2

* based on

Sales units (packages)

SG 198 whitish comp. A, 1 kg bottle
SG 198 whitish comp. A, 5 kg can
SG 198 light yellow transparent comp. B, 1 kg bottle
SG 198 light yellow transparent comp. B, 5 kg can

additional products

Release agent T1-1 liquid whitish 1 ltr. bottle
Release agent T1-1 liquid whitish 5 ltr. can

SG 198 Comp. A + B

Technical Datasheet



Processing instructions

The containers must be carefully stirred or agitated before use. The components must be weighed according to the specified mixing ratio.

If fillers are used, they should be stirred into the individual components A and B in equal parts. After that, the two components can be easily mixed together.

The material must be poured within the specified pot life. Otherwise, oily sweating can occur.

General

The SG 198 is a high-quality, almost odourless two-component unfilled polyurethane casting compound without added fillers.

Attention:

The SG 198 system tends to oil when casting layer thicknesses > 4 mm.

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.