GM 968 Comp. A + B

Technical Datasheet

Elastic polyurethane casting resin

Applications

moulds for plaster
moulds for concrete

Properties

Shore A	55
tear resistance	36 kN/m

Processing data

Product		**Mixture**	**Resin**	**Hardener**
		GM 968 Comp. A + B	GM 968 Komp. A	GM 968 Comp. B
Colour		reddish brown	reddish brown	transparent
Mixing ratio	**p.b.w.**		100	80
Viscosity at 25 °C	mPas	1500 ± 350	800 ± 50	5000 ± 1000
Density at 20 °C	g/cm³	1,04 ± 0,02	1,02 ± 0,02	1,06± 0,02
Pot Life	minutes	25 - 35		
Demoulding time	hours	20 - 24		

Physical data

Properties	**Inspect. Requirements**	**Unit**	**Value**
Tensile strength/test piece type 2	ISO 37*	MPa	5,8 ± 0,8
Elongation at break/test piece type 2	ISO 37*	%	700 ± 200
Weiterreißwiderstand/bogenförmiger Probekörper ohne Einschnitt	DIN ISO 34-1*	kN/m	36 ± 3
Weiterreißwiderstand/bogenförmiger Probekörper mit Einschnitt	DIN ISO 34-1*	kN/m	16 ± 1
Shore hardness	DIN ISO 48-4*	Shore A	55 ± 3

* based on

Sales units (packages)

GM 968 redbrown, comp.A, 5 kg
GM 968, transparent, comp.B, 4 kg
GM 968 redbrown, comp.A, 25 kg
GM 968, transparent, comp.B, 20 kg
additional products
Release agent T1-1 liquid whitish 1 ltr. bottle
Release agent T1-1 liquid whitish 5 ltr. can
Thixotropic agent 72 1 kg cardboard box
concrete release agent B3 5 ltr. can
Bonding agent HV 55 green, comp. A 0,960 kg tin
bonding agent HV 55 brown comp. B, 0,240 kg

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com

cleaning agent ebaclean, colourless 5 l can

Processing instructions

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

Seal porous mould surfaces first

For optimal mould release, we recommend using a suitable release agent (e.g., T 1–1), which can be easily applied with a brush. The mold should be treated 2–3 times and aired for about 20 minutes after each application.

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

Component A may undergo phase separation depending on the storage duration, so it must be thoroughly stirred before use.

For bubble-free mixing, we recommend our star stirrer.

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

General

GM 968 is an elastic PU system

By adding our thixotropic agent 72 GM 968 can be applied with brush.

Our product bonding agent HV 55 is used as an adhesive and coupling paste.

For concrete casting we recommend our concrete release agent B3.

Do not use concrete release agents containing mineral spirits

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.

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com

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.

ebalta Kunststoff GmbH | 91541 Rothenburg ob der Tauber | Germany
info@ebalta.com | +49 9861 7007-0 | www.ebalta.com