

Basis	soft elastic casting resin
Resin	<b>GM 952 Comp. A</b>
Hardener	<b>GM 952 Comp. B</b>
Colour	black

### Applications

- Casting moulds
- Gaskets
- Fixtures

### Properties

- shore A hardness 43
- well castable
- good tear propagation resistance

### Processing data

Product		Mixture GM 952 / Comp. A+B	Resin GM 952 Comp. A	Hardener GM 952 Comp. B
Colour		black	black	brown transparent
<b>Mixing ratio</b>	<b>p. b. w.</b>		<b>100</b>	<b>11,5</b>
Viscosity at 25°C	mPas	2000 ± 300	2600 ± 400	40 ± 5
Density at 20°C	g / cm <sup>3</sup>	1,27 ± 0,02	1,27 ± 0,02	1,22 ± 0,02
Pot life 200 g / 20°C	min.	15 - 20	-	-
Curing time at RT	hrs.	12 - 24	-	-

### Physical data

Properties	Inspect. requirem.	Unit	Value
Tensile strength / test piece type 2	ISO 37	MPa	2,69
Tensile modulus	EN ISO 527-1	MPa	1,73
Elongation at tensile strength	EN ISO 527-1	%	223
Elongation at break / test piece type 2	ISO 37	%	224
Shore hardness	DIN ISO 7619-1	Shore A	43
Tear resistance arch shaped test piece with incision 1 mm	DIN ISO 34-1	kN/m	9,3
Tear resistance arch shaped test piece without incision	DIN ISO 34-1	kN/m	30,6

### Sales units (packages)

GM 952 / Comp. A+B      resin 10 x 0,800 kg + hardener 10 x 0,092 kg = 8,920 kg

## Processing instructions

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

Close containers after use.

Seal porous mould surfaces first (**ebalta** mould sealer).

For optimum mould releasing we recommend a special release agent (like T1-1), which can be applied easily with a brush or be sprayed. Releasing of the mould 2-3 times, evaporate for about 20 min. after each releasing.

Mixing ratio resin/hardener according to instructions.

Both components can be easily mixed free from air bubbles in small quantities by hand with a round stirring rod or in larger quantities with a spiral stirrer.

The processing in a vacuum is also possible.

Stirring rods etc. with residual resin can be easily cleaned with ebaclean.

## In General

The product is a very soft elastic polyurea casting compound.

**ebalta** GM 952 is suitable as a flexible casting system in the field of mould- and tooling for parts which require low shore hardness and high tear propagation resistance due to deep under cuts.

Mould temperatures of about 60 °C lead and/or curing at 60°C, to faster curing and therefore short demoulding time. Demoulding can be reduced to 30-45 min.

In combination with GM 952 Comp. C, the Shore A hardness can be adjusted according to the mixing table.

## 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: see 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.