

Basis	flexible casting resin
Resin	GM 956-90 Comp. A (Isocyanate)
Hardener	GM 956-90 Comp. B (Pol)
Colour	transparent

Applications

- Prototypes with rubber-like properties
- Flexible parts
- jet mask

Properties

- shore A hardness 90
- excellent flow properties
- transparent
- easily dyeable
- odourless
- high tear strength
- free of mercury
- RoHS conform

Processing data

Product		Mixture GM 956-90 / Comp. A+B	Resin GM 956-90 Comp. A (Isocyanate)	Hardener GM 956-90 Comp. B (Pol)
Colour		transparent	transparent	yellow transparent
Mixing ratio	p. b. w.		100	125
Viscosity at 25°C	mPas	2000 ± 200	3250 ± 750	230 ± 50
Density at 20°C	g / cm ³	1,05 ± 0,02	1,07 ± 0,02	1,05 ± 0,02
gel time 200 g / 20°C	min	18 - 22	-	-
Curing time at RT	hrs.	6 - 10	-	-
Curing time at 70° C	h	1 - 2	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Tensile strength / test piece type 2	ISO 37	MPa	7 ± 1
Elongation at break / test piece type 2	ISO 37	%	280 ± 30
Shore hardness	DIN ISO 7619-1	Shore A	90 ± 3
Tear resistance arch shaped test piece without incision	DIN ISO 34-1	kN/m	48 ± 3

Sales units (packages)

Units	Comp. A	GM 956-90 Comp. A (Isocyanate)	4,000 kg
	Comp. B	GM 956-90 Comp. B (Pol)	5,000 kg / 25,000 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

This product is a polyurethane system.

"VP"-products are experimental products.

Regarding technical data slight modifications are possible.

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.