GM 956 / GM 956-30

Technical Datasheet

Elastic polyurethane casting resin

Applications

elastic components
small series in vacuum casting
small series parts
mould making

Properties

Shore A	30
pigmentable	
Shore A	einstellbar bis A 83

Processing data

Product		**Mixture**	**Resin**	**Hardener**
		GM 956 / GM 956-30	GM 956 Comp. A	GM 956-30 Comp. B
Colour		transparent	transparent	yellowish-transparent
Mixing ratio	**p.b.w.**		100	205
Viscosity at 25 °C	mPas	1500 ± 200	5000 ± 1000	530 ± 50
Density at 20 °C	g/cm³	1,04 ± 0,02	1,06 ± 0,02	1,00 ± 0,02
Pot Life	minutes	20 - 30		
Demoulding time	hours	3 / 70 °C		

Physical data

Properties	**Inspect. Requirements**	**Unit**	**Value**
Tensile strength/test piece type 2	ISO 37*	MPa	2,2 ± 0,2
Elongation at break/test piece type 2	ISO 37*	%	2000 ± 500
Weiterreißwiderstand/bogenförmiger Probekörper mit Einschnitt	DIN ISO 34-1*	kN/m	6,7 ± 0,5
Shore hardness	DIN ISO 48-4*	Shore A	30 ± 2

* based on

Sales units (packages)

GM 956 transparent comp. A, 1 kg bottle
GM 956 transparent comp. A, 5 kg can
GM 956-30 yellow transparent, comp.B, 2.050 kg can
GM 956-30 yellow transparent, comp.B, 10.250 kg
additional products
Release agent T1-1 liquid whitish 1 ltr. bottle
Release agent T1-1 liquid whitish 5 ltr. can

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Processing instructions

Depending on the storage period, phase separation can occur in component B, so it must be stirred carefully before use. The material and processing temperature should be between 18 and 25 °C.
The mixing ratio of resin and hardener must be adhered to in accordance with the specifications.
If color pastes are used, they must be stirred into component B.
When manufacturing components using vacuum casting, we recommend a material temperature of 30 °C and a mold temperature of 60 °C - 70 °C.

General

GM 956 is a polyurethane system in which the Shore hardness could be setup by mixing the components GM 956-30 B and GM 956-80 B in combination with GM 956 Comp. A.
When mixing, please follow the specifications on the corresponding mixing table.
The final values are reached after 7 days of RT or a post curing for 4h / 70 °C.
Resin residues on stirring rods, etc. can be easily cleaned with ebaclean.
To speed up the system, the Accelerator 08 can be used.

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.

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