

NEUKASIL SN 2930

Silicone Rubber
Addition crosslinking

altropol

Main features

- good resistance to initial tearing and tear propagation
- very good flow properties
- can be made thixotropic
- mixing ratio A : B = 1 : 1
- fast through-curing

Applications

- General mould making
- lifecastings

Properties in the non-crosslinked state (approx. values)

		NEUKASIL SN 2930 Comp. A	NEUKASIL SN 2930 Comp. B
Colour		translucent	translucent
Mixing ratio	p.b.w.	100	100
Density (20 °C)	g/cm ³	1.04	1.05
Viscosity (20 °C)	mPa·s	10,000	11,000

Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		10,500
Pot life (100 g)	minutes		8
Curing time	minutes		45
Hardness (24 h)	Shore A	DIN 53505	31
Hardness (7 d)	Shore A	DIN 53505	34
Service temperature	°C		200

Mechanical values of the cured product (approx. values)

Tensile strength	MPa	DIN 53504	5
Elongation at tear	%	DIN 53504	350
Resistance to tear propagation	N/mm	ASTM D 624 B	30
Linear dimensional change	%		< 0.2

IMPORTANT: The platinum catalyst is in component A.

How to process the material

For the preparation of a batch being ready for processing, add the required quantity of crosslinker to the rubber and stir the compound until it is homogeneous.

See that as little air as possible gets into the compound while stirring.

When NEUKASIL SN 2930 is used as mould making material (production of negatives), there is no release agent required for demoulding. Should there still arise any difficulties, we recommend our NEUKADUR Release Agent N or NEUKADUR Release Spray P 6. For the production of multipart moulds and to avoid an adhesion of NEUKASIL SN 2930 to itself, use the same release agents. Treat the surface of the part already vulcanized with release agent, then cast the second part of the mould.

For release agents, please visit our homepage under <http://www.altropol.de/en/produkte/weitere-produkte/trennmittel>

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Longer Pot Life

By addition of 5 % of NEUKASIL Retarder SN 2884 to the NEUKASIL SN 2930 Comp. B, the pot life can be extended by 30 minutes. We recommend mixing the NEUKASIL Retarder SN 2884 beforehand into the NEUKASIL SN 2930 Comp. B and adding the NEUKASIL SN 2930 Comp. A afterwards.

Thixotropic Adjustment

By addition of the component NEUKASIL Thixotropic Agent SN 200, the silicone rubber can be made thixotropic for special applications, i. e. the compound is then no longer liquid and castable, but pasty and brushable. For this, add to the already mixed components NEUKASIL SN 2930 Comp. A and NEUKASIL 2930 Comp. B approx. 0.5 to 1.0 % of NEUKASIL Thixotropic Agent SN 200. The thixotropic effect already occurs after a short period of time.

Form of delivery

NEUKASIL SN 2930 Comp. A	1 kg	5 kg	25 kg	200 kg	
NEUKASIL SN 2930 Comp. B	1 kg	5 kg	25 kg	200 kg	
NEUKASIL Thixotropic Agent SN 200	0.01 kg	0.05 kg	0.1 kg	0.2 kg	5 kg
NEUKASIL Retarder SN 2884	0.05 kg	0.25 kg	1.25 kg		

Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/ user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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