

NEUKASIL SN 20023

Silicone Rubber
addition-crosslinking

altropol

Main features

- addition-crosslinking
- conductive

Applications

- production of conductive finished parts

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

		NEUKASIL SN 20023 Comp. A (platinum component)	NEUKASIL SN 20023 Comp. B (crosslinker)
Colour		black	black
Mixing ratio	p.b.w.	100	100
Density (20 °C)	g/cm ³	1.1	1.1
Viscosity (25 °C)	mPa·s	thixotropic	thixotropic

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		thixotropic
Pot life (RT, 100 g)	minutes		40
Hardness (80°C) after 30 min / 8 mm	Shore A	DIN 53505	40
Curing time (RT)	hours		24
Hardness (24 h, RT)	Shore A	DIN 53505	38
Hardness (7 d, RT)	Shore A	DIN 53505	40
Surface resistivity	Ω	DIN 61340-2-3	10 ⁴

Mechanical values of the cured product (approx. values)

Tensile strength	MPa	DIN 53504	in progress
Elongation at tear	%	DIN 53504	in progress
Resistance to tear propagation	N/mm	ASTM D 624 B	in progress
Linear dimensional change	%		<0.1

RT = room temperature

How to process the material

For the preparation of a formulation 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.

Compatibility with other materials

NEUKASIL SN 20023 is well compatible with all common pattern materials such as wood, plaster, metals and plastics and provides perfect casts.

Certain substances inhibit or decelerate the vulcanization of NEUKASIL SN 20023, which can be noticed by tacky surfaces or surfaces containing bubbles. To these substances belong among other things condensation-crosslinking silicones, organic rubbers, plasticizers, amines, heavy-metal compounds and sulphurous substances. High air humidity and water may also lead to disturbances. Under unfavourable circumstances, it may happen that also surfaces having been in contact with the mentioned substances lead to vulcanization faults. The same applies to certain modelling materials. In case of doubt, we recommend carrying out pretrials on a small scale.

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Form of delivery

NEUKASIL SN 20023 Comp. A (platinum component)	5 kg	25 kg	200 kg
NEUKASIL SN 20023 Comp. B (crosslinker)	5 kg	25 kg	200 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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