

NEUKASIL SN 2852

Silicone Rubber
Addition-Crosslinking

altropol

Main features

- tested for fireproofness S 3, ST 2 and M 1
- very good flowability
- high Shore A-hardness

Applications

- general mould making
- coating of woven fabrics
- material for embedding and electrical insulation
- coating of transformers

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

		NEUKASIL SN 2852 Comp. A	NEUKASIL SN 2852 Comp. B
Colour		grey	rotbraun
Mixing ratio	p.b.w.	100	10
Density (20 °C)	g/cm ³	1.25	1.10
Viscosity (20 °C)	mPa·s	70,000	2,000

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		58,000
Pot life (RT) (1,000 g)	minutes		50
Curing time *	hours		24
Hardness (24h)	Shore A	SIN 53505	52
Hardness (7d)	Shore A	DIN 53505	53

RT = room temperature / * The vulcanization is temperature-dependent, and it is accelerated considerably by heat supply.

Important: The platinum catalyst is in component A

The behaviour in fire of vulcanized materials made from NEUKASIL SN 2852 was tested and confirmed according to the following test standards:

according to DIN 5510 / part 2

- inflammability class S 3
- drip rating class ST 2

according to NF-P92-503

- category M 1

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. To obtain a vulcanized material free of bubbles, we recommend evacuating the formulation, which contains crosslinker, before continuing the processing. Certain substances may inhibit or retard the crosslinking of addition-crosslinking silicone rubbers. Such substances are among others condensation-crosslinking silicones, organic rubbers, plasticizers, amines, heavy-metal compounds and sulphurous compounds. Also surfaces having been in contact with the mentioned substances may lead to vulcanization faults (tacky).

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When the vacuum is created, the mixture increases in volume by 3 to 4 times of its original volume under formation of bubbles. The degassing process is finished when the bubbles have collapsed and the formulation has reobtained its original volume. Avoid a longer stay of the formulation containing crosslinker in the vacuum as otherwise you run the risk that parts of the crosslinker will be removed. Carefully cast the prepared material without enclosing bigger quantities of air again.

When NEUKASIL SN 2852 is used as mould making material (production of negatives), there is no release agent required for demoulding. Should there still arise any problems, we recommend our NEUKADUR Release Agent SE new or NEUKADUR Release Spray P 6. For the production of multipart moulds and to avoid an adhesion of NEUKASIL SN 2852 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>

Form of delivery

NEUKASIL SN 2852 Comp. A	1 kg	2 kg	5 kg	25 kg
NEUKASIL SN 2852 Comp. B	0,1 kg	0,2 kg	0,5 kg	2,5kg

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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