

**Main features**

- mixing ratio A : B = 1 : 1
- antistatic
- quick through-curing

**Applications**

- general mould making

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

		<b>NEUKASIL SN 2991 Comp. A</b>	<b>NEUKASIL SN 2991 Comp. B 1</b>	<b>NEUKASIL SN 2991 Comp. B 2</b>	<b>NEUKASIL SN 2991 Comp. B 3</b>
Colour		translucent	black	black	black
Mixing ratio	p.b.w.	100	100	100	100
Density (20 °C)	g/cm <sup>3</sup>	1.1	1.07	1.07	1.07
Viscosity (25 °C)	mPa·s	4,000	6,800	6,800	6,800

**Properties of the mixture (approx. values)**

Mixed viscosity (25 °C)	mPa·s		5,500	5,500	5,500
Pot life (RT) (100 g)	minutes		5	5	5
Curing time	minutes		60	60	60
Hardness (1 h)	Shore A	DIN 53505	5	8	12
Hardness (24 h)	Shore A	DIN 53505	8	12	16

**Mechanical values of the cured product (approx. values)**

Tensile strength	N/mm <sup>2</sup>	DIN 53504	3	3.3	3.5
Elongation at break	%	DIN 53504	580	500	400
Resistance to tear propagation	N/mm	ASTM D 624 B	18	21	24
Linear dimensional change	%		<0.2	<0.2	<0.2

RT = room temperature

**The platinum catalyst is in NEUKASIL SN 2991 Comp. A**

**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.

When NEUKASIL SN 2991 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 2991 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>

# NEUKASIL SN 2991

Silicone Rubber, addition-crosslinking

Preliminary datasheet

# altropol

NEUKASIL RTV is the designation for 2-component silicone rubber systems of the ALTROPOL KUNSTSTOFF GmbH vulcanizing at room temperature.

## Form of delivery

NEUKASIL SN 2991 Comp. A	1 kg	5 kg	25 kg
NEUKASIL SN 2991 Comp. B 1	1 kg	5 kg	25 kg
NEUKASIL SN 2991 Comp. B 2	1 kg	5 kg	25 kg
NEUKASIL SN 2991 Comp. B 3	1 kg	5 kg	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.

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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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