

# ELASTOSIL® RT 625

RTV-2 Silicone Rubber

## Characteristics

Pourable, addition-curing two-component silicone rubber that vulcanizes at room temperature.

## Special characteristics

- Easy to process because of low viscosity
- Fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- Cures in closed systems
- Low hardness (Shore A approx. 25)
- High elongation, outstanding tensile strength
- Excellent tear strength
- Cured rubber is translucent and colorless
- Can be pigmented with 1 - 4 % ELASTOSIL® Pigment Pastes FL

## Application

- Encapsulation of electrical and electronic components
- Coatings
- Manufacture of technical mouldings by casting
- Mold making

## Product data (uncured)

Property	Test method	Unit	Value	
			A	B
Component			A	B
Color			Translucent	Colorless
Density at 23 °C		[g/cm <sup>3</sup> ]	1.10	0.98
Viscosity at 23 °C, stirred	ISO 3219	[mPa s]	25,000	900

## Product data (catalyzed A+B)

Property	Test method	Unit	Value
Mixing ratio	A : B	[pbw]	9 : 1
Viscosity	ISO 3219	[mPa s]	12,000
Pot life at 23 °C (up to 100,000 mPa s)		[min]	60
Curing time, tack-free		[h]	12

## Product data (cured)

Property	Test method	Unit	Value
Color			Translucent
Density at 23 °C, in water	ISO 2781	[g/cm <sup>3</sup> ]	1.10
Hardness Shore A	ISO 868		25
Tensile strength	ISO 37	[N/mm <sup>2</sup> ]	6.5
Elongation at break	ISO 37	[%]	600
Tear strength	ASTM D 624 B	[N/mm]	30
Linear shrinkage		[%]	< 0.1

Compression moulded 10 min at 100 °C.

These figures are only intended as a guide and should not be used in preparing specifications.

## Processing

### Important!

The platinum catalyst is contained in component B.

### Caution

Only components A and B with the **same lot number** may be processed together!

To ensure optimum flow of the material, the components must be stirred thoroughly before they are removed or processed in their containers.

We recommend running preliminary tests to optimize conditions for the particular application. Comprehensive processing instructions are given in our leaflet "Wacker RTV-2 Silicone Rubber - Processing".

Detailed information on other mold-making compounds is contained in our brochure "ELASTOSIL® M. Mold-Making Compounds For Maximum Precision".

## Pigmentation

If so desired, 1 - 4 wt % ELASTOSIL® Pigment Pastes FL can be added, preferably to Component A.

For more details, please refer to our leaflet "ELASTOSIL® Pigment Pastes FL".

## Storage

ELASTOSIL® RT 625 should be stored between 5 °C and 25 °C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety information

Components A and B of the addition-curing grade ELASTOSIL® RT 625 contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

## Additional information

Please visit our website [www.wacker.com](http://www.wacker.com)

Supplied by

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The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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