

ELASTOSIL® RT 622 A/B

RTV-2 Silicone Rubber

Characteristics

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

Special characteristics

- Very good flow
- Excellent mechanical properties
- Low hardness

Application

- All-round potting compound
- Technical mouldings
- Encapsulation of electrical components

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!

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".

Product data (uncured)

Property	Test method	Unit	Value	
			A	B
Component				
Color			White	Reddish brown
Density at 23 °C		[g/cm ³]	1.14	1.01
Viscosity at 23 °C	ISO 3219	[mPa s]	18,000	800

Product data (catalyzed A+B)

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

Product data (cured)

Property	Test method	Unit	Value
Color			Reddish brown
Density at 23 °C	ISO 2781	[g/cm ³]	1.13
Hardness Shore A	ISO 868		27
Tensile strength	ISO 37	[N/mm ²]	6.5
Elongation at break	ISO 37	[%]	550
Tear strength	ASTM D 624 B	[N/mm]	30
Linear shrinkage		[%]	< 0.1

Cured for 30 min at 150 °C in a circulating air oven.

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

Storage

ELASTOSIL® RT 622 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® 622 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

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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For technical, quality, or product safety questions, please contact:

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