

ELASTOSIL® RT 625 A/B

RTV-2 SILICONE RUBBER

Product description

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

Special features

- 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 Shore A hardness (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

Processing

Important

The platinum catalyst is contained in component B.

Caution

Only components A and B that have 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

The 'Best use before end' date of each batch is shown 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.

Additional information

Please visit our website www.wacker.com.

Safety notes

Components A and B of the addition-curing grade ELASTOSIL® RT 625 A/B 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.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Product data (uncured)		
Component A		
Color		translucent
Density at 23 °C		1,10 g/cm ³
Viscosity at 23 °C, after stirring	ISO 3219	25000 mPa s
Component B		
Color		colorless
Density at 23 °C		0,98 g/cm ³
Viscosity at 23 °C, after stirring	ISO 3219	900 mPa s
Product data (catalyzed A + B)		
Mix ratio (pbw)	A : B	9 : 1
Viscosity at 23 °C	ISO 3219	12000 mPa s
Pot life at 23 °C, up to 100000 mPa s		60 min
Cure time, non-adhesive		12 h
Product data (cured)		
Color		translucent
Density at 23 °C in water	ISO 2781	1,10 g/cm ³
Hardness Shore A	ISO 868	25
Tensile strength	ISO 37	6,50 N/mm ²
Elongation at break	ISO 37	600 %
Tear strength	ASTM D 624 B	30 N/mm
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.

The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.

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

WACKER® is a trademark of Wacker Chemie AG. ELASTOSIL® is a trademark of Wacker Chemie AG.

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

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com

www.wacker.com