ELASTOSIL® RT 622 gray

RTV-2 Silicone Rubber

Characteristics

ELASTOSIL® RT 622 gray is a pourable, addition-curing, two-component silicone rubber that vulcanizes at room temperature.

Special characteristics

- Very good flow
- Fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- Low hardness (Shore A approx. 30)
- High thear strength

Application

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

Processing

Temperature	Curing time, thickness 1 cm
23 °C	24 h
70 °C	20 min
100 °C	10 min
150 °C	5 min

Product data (uncured)

Property	Test method	Unit	Value	
Component			A	B
Color			White	Light gray
Viscosity at 23 °C, after stirring	ISO 3219	[mPa s]	18,000	800
Density at 23 °C	DIN EN ISO 1183-1	[g/cm³]	1.14	1.01

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

Product data (catalyzed A+B)

Property	Test method	Unit	Value
Mixing ratio		A : B	9 : 1
Colour			Light gray
Mixing viscosity at 23 °C	ISO 3219	[mPa s]	12,000
Pot life at 23 °C		[min]	60

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

Product data (cured)

Property	Test method	Unit	Value
Density at 23 °C, in water	DIN EN ISO 1183-1 / ISO 2781	[g/cm³]	1.13
Hardness Shore A	DIN 53 505 / ISO 868		32
Tensile strength	DIN 53 504 S 1 / ISO 37	[N/mm²]	7
Elongation at break	DIN 53 504 S 1 / ISO 37	[%]	550
Tear strength	ASTM D 624 B	[N/mm]	30

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 gray 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.

The general information under “Storage” on page 3 of our brochure entitled “Wacker RTV-2 Silicone Rubber – Processing” must also be observed.

Safety information

Components A and B of the addition-curing grade ELASTOSIL® 622 gray contained 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.

The general information under "Safety information" on page 3 of our brochure entitled "Wacker RTV-2 Silicone Rubber - Processing" must also be observed.

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
The Business Unit Elastomers of the Division Silicones is ISO/TS 16949 certified.

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

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