

# ELASTOSIL<sup>®</sup> RT 629 A/B

ELASTOSIL<sup>®</sup>

## Room Temperature Curing Silicone Rubber (RTV-2)

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

Main application: Making antistatic printing pads.



## Properties

- Antistatic finish
- Very good flow
- High reactivity for fast demolding even if large amounts of silicone fluid are added
- Fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- Medium hardness (Shore A approx. 31)
- Excellent mechanical properties

## Specific features

- Addition Curing
- Antistatic
- Fast curing at room temperature
- Flowable
- Low viscosity
- No chemical shrinkage
- Two-component

## Technical data

### Properties Uncured

Property	Condition	A	B	Method
Color	-	turquoise	white	-
Density	23 °C	1.14 g/cm <sup>3</sup>	0.99 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Viscosity, dynamic after stirring	23 °C	14000 mPa·s	900 mPa·s	ISO 3219

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

### Properties Catalyzed A+B

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	8000 mPa·s	ISO 3219
Mix ratio <sup>(1)</sup>	-	10 : 1	A : B
Pot Life , up to 60000 mPa s	-	40 min	DIN EN ISO 2555
Curing time tack-free	-	3 h	-

<sup>(1)</sup>(pbw)

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

## Properties Cured

Curing conditions: 24 h / 23 °C

Property	Condition	Value	Method
Color	-	turquoise	-
Density in water	23 °C	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Tear strength	-	25 N/mm	ASTM D 624 B
Hardness Shore A	-	31	DIN ISO 48-4
Tensile strength	-	6 N/mm <sup>2</sup>	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1
Linear shrinkage	-	< 0.1 %	-

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Elastomers for Pad Printing

## Application details

Base rubber for making printing pads.

A special feature of ELASTOSIL® RT 629 A/B is that it contains an antistatic additive for fast dissipation of static charge that has built up on the pad surface.

The vulcanizate's high mechanical strength and long term stability of hardness make ELASTOSIL® RT 629 A/B an ideal base material for producing antistatic printing pads with excellent mechanical properties and long service life.

## Processing

Detailed instructions for preparation and use are given in the brochure "Room Temperature Vulcanizing (RTV) Silicones - Material and Processing Guidelines".

Important note:

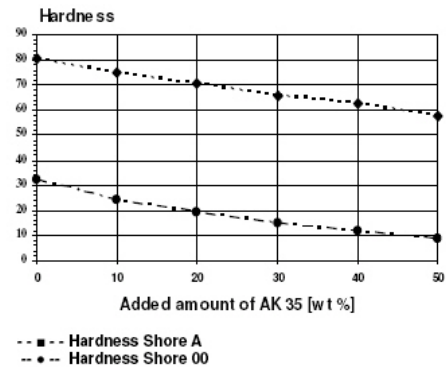
The platinum catalyst is in component B.

Caution:

A and B components may only be used together if they have the same batch number.

Dilution charts: The following tables show the hardness of ELASTOSIL® RT 629 A/B as a function of the added amount of Wacker Silicone Fluid AK 35 for Durometer Types Shore A and Shore 00.

Added amount of Wacker Silicone Fluid AK 35 [wt %]						
	0	10	20	30	40	50
Shore A	31	24	19	16	12	9
Shore 00	80	75	71	66	63	58



## Packaging and storage

### 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.

## Safety notes

Components of the addition-curing grade ELASTOSIL® RT 629 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>.

## QR Code ELASTOSIL® RT 629 A/B



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

**Wacker Chemie AG**, Gisela-Stein-Strasse 1, 81671 Munich, Germany  
productinformation@wacker.com, www.wacker.com

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.