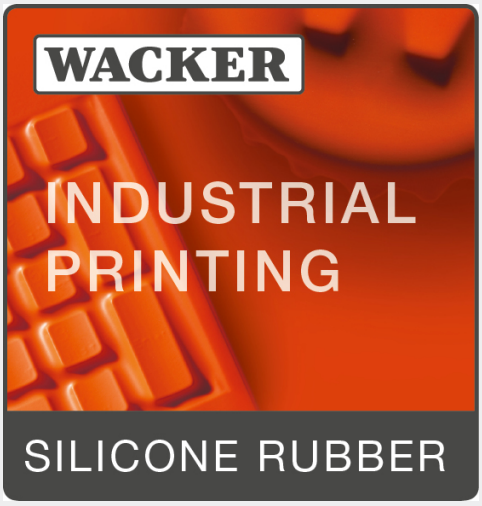
ELASTOSIL® RT 629 A/B

ELASTOSIL®

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^3	0.99 g/cm^3	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[1]	-	10 : 1	A : B
Pot Life , up to 60000 mPa s	-	40 min	DIN EN ISO 2555
Curing time tack-free	-	3 h	-

[1](pbw)

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Properties Cured

After 24 h at 23 °C.

Property	Condition	Value	Method
Color	-	turquoise	-
Density in water	23 °C	1.13 g/cm^3	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^2	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1
Linear shrinkage	-	< 0.1 %	-

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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.

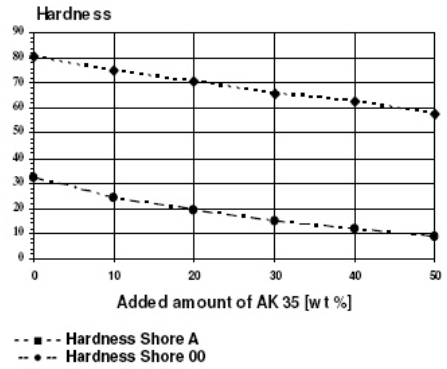
Processing

Important note:
The platinum catalyst is in component B.

Important:
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, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com