

ELASTOSIL[®] RT 625 A/B

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Room Temperature Curing Silicone Rubber (RTV-2)

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

Main applications: Making molds, encapsulation of electrical and electronic components, coating, produce technical molded parts by casting



Properties

- 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

Specific features

- Addition-curing
- Excellent mechanical properties
- No shrinkage
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	colourless	-
Density	23 °C	1.10 g/cm ³	0.98 g/cm ³	-
Viscosity, dynamic after stirring	23 °C	25000 mPa·s	900 mPa·s	ISO 3219

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

Catalyzed

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	12000 mPa·s	ISO 3219
Mix ratio ⁽¹⁾	-	9 : 1	A : B
Pot life ⁽²⁾	-	60 min	-
Curing time non-adhesive	-	12 h	-

¹(pbw)

²at 23°C. up to 100000 mPa·s

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Properties Cured

Compression moulded 10 min at 100 °C

Property	Condition	Value	Method
Color	-	translucent	-
Density in water	23 °C	1.1 g/cm ³	ISO 2781
Hardness Shore A	-	25	ISO 868
Tensile strength	-	6.5 N/mm ²	ISO 37
Elongation at break	-	600 %	ISO 37
Linear shrinkage	-	< 0.1 %	-
Tear strength	-	30 N/mm	ASTM D 624 B

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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

- Reproduction Molding for Foundry, Arts and Handicrafts
- Electrics & Electronics

Application details

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.

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".

Please check also our brochures and info sheets.

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 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>.

QR Code ELASTOSIL® RT 625 A/B



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

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