

ELASTOSIL® RT 727 A/B

RTV-2 SILICONE RUBBER

Product description

ELASTOSIL® RT 727 A/B is a thixotropic, thermally curable, addition-curing two-component silicone rubber.

Special features

- solvent-free
- long-term flexible over a temperature range of -50 °C to +200 °C
- good adhesion on many substrates
- excellent resistance to antifreeze/water-mixtures
- good resistance to mineral oil
- low compression set
- short curing time

Application

- production of gaskets in CIPG-technology

Processing

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".

Important note:

The platinum catalyst is in component A.

Caution:

Only components A and B with the same lot number may be processed together!

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

According to the latest findings, the addition-curing silicone rubber ELASTOSIL® RT 727 A/B contains neither toxic or corrosive substances which would require special handling precautions.

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
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Product data (uncured)**Component A**

Color	opaque
Viscosity at 23 °C (shear rate 0.89 1/s)	ISO 3219 1500000 mPa s
Viscosity at 23 °C (shear rate 10 1/s)	ISO 3219 300000 mPa s
Density at 23 °C	1,10 g/cm³

Component B

Color	black
Viscosity at 23 °C (shear rate 0.89 1/s)	ISO 3219 1500000 mPa s
Viscosity at 23 °C (shear rate 10 1/s)	ISO 3219 300000 mPa s
Density at 23 °C	1,10 g/cm³

Product data (catalyzed A + B)

Mix ratio (pbw)	A : B	1 : 1
Kick-off temperature		115 °C
Pot life at 23 °C		24 h
Platinum-catalyst in component		A
t-90 value at 120 °C		140 s

Product data (cured)

Color	gray
Density at 23 °C in water	1,10 g/cm³
Hardness Shore A	ISO 868 60
Elongation at break	ISO 37 350 %
Tensile strength	ISO 37 5,50 N/mm²
Modulus at 100 % elongation	ISO 37 1,9 N/mm²
Tear strength	ASTM D 624 B 10 N/mm
Compression set	DIN ISO 815-B 20 % (22 h / 175 °C)

2 mm sheet 5 min / 170 °C, non postcured.

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

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

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