

ELASTOSIL® RT 705

ADHESIVE

Product description

ELASTOSIL® RT 705 is a self-levelling, thixotropic, addition-cross-linking, thermal-curing, one-component silicone rubber.

Special features

- ready-to-use, one-component
- self-levelling
- high extrusion rate
- fast curing at high temperatures
- good heat stability
- excellent primerless adhesion to many substrates
- thixotropic
- UL 94HB listed

Application

- multipurpose glue for household appliances and the metal industry
- suitable for silk screen printing

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".

Temperature	Curing rate
140 °C	10 min
200 °C	2 min

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 705 contains neither toxic or corrosive substances which would require special handling precautions. General hygiene regulations should be observed.

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
Product data (uncured)		
Color		black
Viscosity, dynamic (D = 0,5 1/s)	DIN EN ISO 3219	72500 mPa.s
Viscosity, dynamic (D = 25 1/s)	DIN EN ISO 3219	13000 mPa.s
Density at 23 °C	DIN 53217	1,24 g/cm ³
Product data (cured)		
Color		black
Density at 23 °C in water	DIN EN ISO 1183-1 / ISO 2781	1,24 g/cm ³
Hardness Shore A	DIN 53505 / ISO 868	42
Tear strength	ASTM D 624 B	3,5 N/mm
Tensile strength	DIN 53504 S1 / ISO 37	3,1 N/mm ²
Elongation at break	DIN 53504 S1 / ISO 37	200 %
Pot life at 23°C		6 months

Cured for 10 min at 165 °C in a circulating air oven.

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

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

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

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