

ELASTOSIL® RT 705 f

Adhesive

Characteristics

ELASTOSIL® RT 705 f is a flowable, addition curing, thermally curing, one-component silicone rubber.

Special characteristics

- Ready-to-use, one-component
- Flowable
- High extrusion rate
- Fast curing at high temperatures
- Good heat stability
- Excellent primerless adhesion to many substrates

Application

- Multipurpose adhesive for the electronics industry

Processing

Temperature	Curing rate, 3 mm
140 °C	20 min
200 °C	3 min

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".

Storage

ELASTOSIL® RT 705 f should be stored between 5 °C and 25 °C in the tightly closed original container. The 'Best use before end' date of each batch appears 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 information

According to the latest findings ELASTOSIL® RT 705 f, being an addition-curing silicone rubber, contains neither toxic or corrosive substances which would require special handling precautions. General hygiene regulations should be observed.

Product data (uncured)

Property	Test method	Unit	Value
Color			Black
Viscosity at 23 °C	DIN 51 562, D = 0.5 1/s D = 25 1/s	[mPa s]	40,000 20,000
Density at 23 °C		[g/cm³]	1.23

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

Product data (cured)

Property	Test method	Unit	Value
Color			Black
Density at 23 °C, in water	DIN EN ISO 1183-1 / ISO 2781	[g/cm³]	1.23
Hardness Shore A	DIN 53 505 / ISO 868		36
Tensile strength	DIN 53 504 S1 / ISO 37	[N/mm²]	3.5
Elongation at break	DIN 53 504 S1 / ISO 37	[%]	220
Pot life, 23 °C		[months]	6

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.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from Wacker subsidiaries.

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. The Business Unit Elastomers of the Division Silicones is ISO/TS 16949 certified.



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

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