

ELASTOSIL® RT 703

Adhesive

Characteristics

ELASTOSIL® RT 703 is a self-levelling, thixotropic, addition-cross-linking, thermal-curing, one-component silicone rubber.

Special characteristics

- Ready-to-use, one-component
- Self-levelling
- Fast curing at high temperatures
- Transparent
- Excellent primerless adhesion to many substrates
- Thixotropic

Application

- Multipurpose glue for household appliances and the metal industry
- Suitable for silk screen printing

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 703 should be stored between 5°C and 25°C in the originally sealed 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.

Product data (uncured)

Property	Test method	Unit	Value
Color			Transparent
Viscosity at 23°C	DIN 51 562, D = 0.5 1/s D = 25 1/s	[mPa s]	250,000 25,000
Density at 23°C		[g/cm³]	1.03

Product data (cured)

Property	Test method	Unit	Value
Appearance			Transparent
Density at 23°C, in water	DIN 53 479 A / ISO 2781	[g/cm³]	1.03
Hardness, Shore A	DIN 53 505 / ISO 868		33
Tensile strength	DIN 53 504 S1 / ISO 37	[N/mm²]	2.0
Elongation at break	DIN 53 504 S1 / ISO 37	[%]	360

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.

Safety information

According to the latest findings ELASTOSIL® RT 703 being an addition-curing silicone rubber, 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.

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.

WACKER

and ELASTOSIL® are registered trademarks of Wacker Chemie AG.

Version 2.00 from 02-11-05 replaces
Version 1.00 from 21-10-04

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

Wacker Chemie AG
WACKER-SILICONES
Hanns-Seidel-Platz 4
D-81737 Munich, Germany

Silicone-Info Service
Germany:
Tel.: 0-800-6279-800
International:
Phone: +800-6279-8000

www.wacker.com
silicones@wacker.com