

# ELASTOSIL<sup>®</sup> RT 745 A/B



## Thermally Curing Silicone Rubber (RTV-2)

ELASTOSIL<sup>®</sup> RT 745 A/B is a pourable, thermally curable, addition-curing, two-part silicone rubber.

### Properties

- two-part, 1 : 1 mixing ratio
- low hardness
- low risk of inhibition
- rapid heat cure
- primerless adhesion

### Specific features

- Addition Curing
- Two-component

## Technical data

### Properties Uncured

Property	Condition	A	B	Method
Color	-	brownish	translucent	-
Density	23 °C	0.97 g/cm <sup>3</sup>	0.97 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Viscosity, dynamic	23 °C	1000 mPa·s	1000 mPa·s	ISO 3219

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

### Properties Catalyzed A+B

Property	Condition	Value	Method
Viscosity, dynamic of mix	23 °C	1000 mPa·s	ISO 3219
Platinum catalyst in component	-	A	-
Mix ratio <sup>(1)</sup>	-	1 : 1	A : B
Pot life <sup>(2)</sup>	-	≥ 4 h	Brookfield

<sup>1</sup>(pbw)

<sup>2</sup>at 23 °C, up to 100000 mPa s

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

### Properties Cured

Cured for 30 min at 150 °C in a circulating air oven

Property	Condition	Value	Method
Color	-	translucent, brownish	-
Density in water	23 °C	0.97 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Hardness Shore A	-	15	DIN ISO 48-4
Modulus at 100 % elongation	100 %	0.2 N/mm <sup>2</sup>	ISO 37
Volume resistivity	-	10 <sup>16</sup> Ohmcm	-

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

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

- Automotive Electronics
- DO NOT USE Potting & Encapsulation with Tough Gels
- Electronics
- Measurement & Control, Sensor Technology

## Processing

Caution:

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

Curing:

Temperature	Curing time, thickness 1 cm
80 °C	60 min
120 °C	10 min
150 °C	5 min

## 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

According to the latest findings, the addition-curing silicone rubber ELASTOSIL® RT 745 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>.

## QR Code ELASTOSIL® RT 745 A/B



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

**Wacker Chemie AG**, Gisela-Stein-Strasse 1, 81671 Munich, Germany  
[productinformation@wacker.com](mailto:productinformation@wacker.com), [www.wacker.com](http://www.wacker.com)

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.