

# ELASTOSIL<sup>®</sup> RT 728 A/B



## Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL<sup>®</sup> RT 728 A/B is a paste-like, thermally curable, two-part silicone rubber.

Vulcanized parts show excellent coolant resistance and a low compression set.

### Properties

- adhesion on synthetic material
- long-term flexibility over a temperature range from -50 °C to +200 °C
- resistant to antifreeze-water mixtures
- low compression set
- short curing time

### Technical data

#### Properties Uncured

| Property   | Condition | A         | B         | Method    |
|--|-----------|-----------|-----------|-----------|
| Viscosity, dynamic<br>(part A at shear rate<br>0.89 1/s) | -         | 1200 Pa.s | 1000 Pa.s | DIN 53019 |

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

## Catalyzed

| Property  | Condition | Value     | Method    |
|---|-----------|-----------|-----------|
| Viscosity, dynamic (1:1 mixture at shear rate 0.89 1/s) | -         | 1100 Pa.s | DIN 53019 |

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## Properties Cured

Cure conditions: 5 min / 165 °C, non postcured

| Property            | Condition     | Value                  | Method        |
|---------------------|---------------|------------------------|---------------|
| Appearance          | -             | opaque                 | -             |
| Density             | -             | 1.13 g/cm <sup>3</sup> | ISO 1183-1 A  |
| Hardness Shore A    | -             | 60                     | DIN 53505     |
| Tensile strength    | -             | 4 N/mm <sup>2</sup>    | DIN 53504 S 1 |
| Elongation at break | -             | 200 %                  | DIN 53504 S 1 |
| Compression Set     | 22 h   175 °C | 15 %                   | DIN ISO 815-B |
| Tear strength       | -             | 10 N/mm                | ASTM D 624 B  |

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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
- Cured-In-Place-Gaskets (Dry Type)

## Application details

ELASTOSIL<sup>®</sup> RT 728 series are particularly suitable for the economical production of gaskets and rubberparts which are used for radiators in the automotive industry.

## Processing

The A and B components are delivered ready to use in 20 liter drums. With standard metering equipment, they can be pumped directly from the original containers into the injection molding machine and mixed by a static mixer. The mixing ratio is 1 : 1.

For detailed information refer to our brochure "SOLID AND LIQUID SILICONE RUBBER - MATERIAL AND PROCESSING GUIDELINES".

## 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

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 728 A/B



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

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