

# POWERSIL® 600 A/B

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

POWERSIL® 600 A/B is a pourable, addition-curing, two-component silicone rubber that cures at room temperature to form soft products with high mechanical strength.

### Properties

- castable RTV-2
- ready-to-use, two component system
- very easy to process due to its low viscosity
- excellent dielectric properties
- best suitable for outdoor applications (UV & weathering resistance, excellent hydrophobic properties)

### Specific features

- Resistance: Resistant to tracking and erosion
- Specific Features: Resistant to tracking and erosion

## Technical data

### Properties Uncured

Property	Condition	Value	Method
Viscosity, dynamic of mix (10 s <sup>-1</sup> )	-	10000 mPa·s	DIN EN ISO 3219
Mix ratio	-	9 : 1	A : B
Pot Life	23 °C	70 min	-

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

### Properties Cured

Cure conditions: 10 min / 100 °C in press

Property	Condition	Value	Method
Appearance	-	light gray	-
Density	23 °C	1.13 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Hardness Shore A	-	30	DIN ISO 48-4
Tensile strength	-	8.0 N/mm <sup>2</sup>	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1
Volume resistivity	-	10 <sup>15</sup> Ohmcm	IEC 62631-3-1
Permittivity	50 Hz	2.9	IEC 62631-2-1
Dissipation factor	50 Hz	3 x 10 <sup>-4</sup>	IEC 62631-2-1
Dielectric strength	-	23 kV/mm	IEC 60243-1
Tracking resistance	-	1A 3.5	IEC 60587
Arc resistance	-	> 300 s	IEC 61621
Flammability	-	FV 0	IEC 60695-11-10

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

- Arresters

- Cable Accessories

## Application details

- cable accessories
- insulators
- prototyping

## Processing

Components A and B are delivered ready to use in drums of 20 and 200 litres capacity. They can be pumped by means of standard metering equipment from these drums and mixing in a static mixer straight into the mold. The mixing ratio is 9 : 1.

The extreme low viscosity and resulting high volumetric flow rate ensure consistent, void-free production at room temperature. Curing at room temperature results in very little inner mould pressure. Therefore POWERSIL® 600 A/B is suitable for the production of products with complex installation parts.

At room temperature, mixtures of A and B components have a pot life of at least 70 minutes.

POWERSIL® 600 A/B is also recommended for prototyping of products since no expensive machinery is needed for its processing.

Detailed information on processing of POWERSIL® 600 A/B is given in brochure "Processing RTV-2 Silicone Rubbers".

## 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 POWERSIL® 600 A/B



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
info@wacker.com, 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.