

# WACKER® SILICONE PASTE P

## Silicone Pastes

WACKER® SILICONE PASTE P is a translucent, vaseline-like, relatively stiff, waterrepellent paste.

WACKER® SILICONE PASTE P coated parts exhibit excellent water repellency, resulting in a certain degree of protection against corrosion.

WACKER® SILICONE PASTE P becomes softer when subjected to shear stress or other mechanical stress such as kneading, which in many instances makes processing easier.

The pasty consistency is little affected by changes in temperature. The components of WACKER® SILICONE PASTE P are on the positive lists of the following Regulations for food contact: Regulation (EU) No. 10/2011, Recommendation XV.

Silicones of the BfR (Federal Institute for Risk Assessment) and the FDA Code of Federal Regulations Title 21 § 175.3570 Lubricants with Incidental Food Contact.

## Properties

- non-curing, with retention of pasty consistency
- water resistant, water repellent
- electrically insulating
- good surface slip
- high dielectric strength
- Good adhesion to metals, glass and ceramics
- Food-contact

## Special features

- Lubricant

# Technical data

## General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, opaque	-
Bleeding <sup>(1)</sup>	-	max. 8 %	FED-STD 791 M 321
Density	25 °C	1.0 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Dielectric strength	-	20 kV/mm	IEC 60243-1
Dissipation factor	50 Hz	5 x 10 <sup>-4</sup>	IEC 62631-2-1
Loss of weight <sup>(2)</sup>	-	max. 2 %	FED-STD 791 M 321
Operating temperature	-	-40 - 200 °C	-
Penetration (unworked) <sup>(3)</sup>	-	180 - 220 1/10mm	DIN ISO 2137
Permittivity	50 Hz	2.8	IEC 62631-2-1
Solidifying point	-	approx. -45 °C	-

<sup>1</sup>30 h / 200 °C

<sup>2</sup>30 h / 200 °C

<sup>3</sup>150g cone / 5s penetration time

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

- Energy
- Transmission & Distribution
- Cable Accessories

## Application details

Assembly aid and lubricant for elastomers, especially O-rings.

WACKER® SILICONE PASTE P is easy to apply. There is no dripping as when using oil. Larger parts are greased with the pure paste by hand or with a brush; smaller parts in large quantities are put into a plastic bag with some paste and kneaded until the paste has been distributed over their surfaces. Silicon pastes have a slight swelling effect on most organic elastomers. For lubricating purposes and as assembly aid for materials with critical swelling characteristics we would, however, recommend using silicone product POWERSIL® PASTE AP, which is especially designed for causing low swelling of bordering elastomers.

Heat-resistance release agent for :

- extruder die rings
- slightly porous surfaces of moulds for demoulding rubber and plastics mouldings and cast resin parts
- heat-sealing instruments such as used for Packaging Film, where a thin film of WACKER® SILICONE PASTE P applied to the welding bars prevents sticking

For detailed information, refer to brochures on [www.wacker.com](http://www.wacker.com).

## Packaging and storage

### Storage

Further information for storage:

Store in a dry and cool place.

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 WACKER® SILICONE PASTE P



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

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