

WACKER® SILICONE PASTE P

Product description

Translucent, vaseline-like, relatively stiff, waterrepellent paste that becomes softer when subjected to shear or other mechanical stress such as kneading, which in many instances makes processing easier. Paste consistency is little affected by changes in temperature. It complies with Recommendation XV (Silicones) of the German Federal Health Office (BgVV).

Application

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

- The paste 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.
- Silicone pastes have only a very slight swelling effect on most organic elastomers. For lubricating purposes and as assembly aids we would, however, recommend using silicone products such as Wacker Silicone Paste P 8, heavy-duty high-vacuum grease or fluorosilicone greases.

Heat-resistance release agent, e. g.

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

Applications requiring physiologically safe formulations

- Since WACKER® SILICONE PASTE P has been formulated to comply with BgVV (German Federal Health Office) Recommendation XV (Silicones), it can be used for various applications in the medical field as well as the foodcontact sector.

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.

Packaging

Standard quantity
WACKER® SILICONE PASTE P:
- 90 g, 1 kg, 25 kg

Orders should be directed to the nearest Wacker subsidiary.

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>.

Product data

Typical general characteristics	Inspection Method	Value
Color		colorless, opaque
Density at 25 °C	DIN 51757	approx. 1 g/cm ³
Consistency a) unworked penetration	DIN ISO 2137	180 - 220 1/10 mm
Consistency b) worked penetration (60 strokes)		> 250 1/10 mm
Solidifying point		-45 °C
Drop point		none
Operating temperature range		-40 to +200
Volatiles (max.) FED-STD 791 M 321; 30 h / 200 °C		2 %
Bleeding (max.) FED-STD 791 M 321; 30 h / 200 °C		8 %
Resistivity at 25 °C		approx. 10 ¹³ Ω cm
Dielectric strength	IEC 60243	20 kV/mm
Dielectric 0.05 inch electrode gap	IEC 60243	25 kV/0.05 inch
Dielectric constant at 1 kHz - 10 MHz		2,8 - 3,1
Dissipation factor at 1kHz - MHz		< 0,003 - 0,0025
Arc resistance		min. 60 s
Insoluble in		water, methanol, ethanol, glycerol, glycol, mineral oils
Soluble or dispersible in		methylene chloride, benzine, white spirit, petroleum ether, toluene, kerosene, ethyl acetate etc.

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

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

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

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