

WACKER® SILICONE PASTE P 300

Silicone Pastes

WACKER® SILICONE PASTE P 300 is opaque, of medium to soft consistency and slightly thixotropic.

It has good electrical properties, i.e. insulating properties, relative permittivity and electric strength, as well as good adhesion to metals and ceramic materials. WACKER® SILICONE PASTE P 300 coated parts exhibit excellent water repellency, resulting in a certain degree of protection against corrosion.

WACKER® SILICONE PASTE P 300 is a paste with similar properties like WACKER® SILICONE PASTE P 250 but of softer consistency with an unworked penetration of 290 - 330 ¹/₁₀ mm.

The low viscosity of the paste facilitates its use as an embedding compound, release agent or lubricant in some class.

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

Specific features

- Lubricant
- Thixotropic

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, opaque	-
Bleeding ⁽¹⁾	-	max. 5.0 %	FED-STD 791 M 321
Density	25 °C	1.0 g/cm ³	DIN EN ISO 1183-1 A
Dielectric strength	-	20 kV/mm	IEC 60243-1
Dissipation factor	50 Hz	7 x 10 ⁻³	IEC 62631-2-1
Loss of weight ⁽²⁾	-	max. 3.5 %	FED-STD 791 M 321
Operating temperature	-	-40 - 150 °C	-
Penetration (unworked) ⁽³⁾	-	290 - 330 1/10mm	DIN ISO 2137
Permittivity	50 Hz	3.1	IEC 62631-2-1
Solidifying point	-	approx. -45 °C	-

¹30h / 200°C

²30h / 200°C

³150g 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

- Cable Accessories
- Energy
- Transmission & Distribution

Application details

- in applications involving movement of elastomers or plastics against metals
- lubricants for shut-off valves, control devices, joints
- release agents for compression molding, extruder die rings
- insulation for ignition systems (car electrics), protection against moisture, embedding of electronic components
- installation of cable accessories

For detailed information, refer to brochures on 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 300



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

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