

POWERSIL® PASTE AP

Silicone Pastes

Opaque to whitish paste of medium consistency, good values for electrical insulation, permittivity and dielectric strength. POWERSIL® PASTE AP does virtually not show swelling of silicone elastomers that it is in contact with, due to the use of a special, phenyl-silicone oil.

Properties

- non-curing, with retention of pasty consistency
- water resistant, water repellent
- good electrical insulating properties
- good surface slip
- high dielectric strength

Specific features

- Lubricant
- No swelling of bordering silicone elastomers

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	opaque to whitish	-
Bleeding ⁽¹⁾	-	max. 4.0 %	FED-STD 791 M 321
Density	23 °C	1.1 g/cm ³	DIN EN ISO 1183-1 A
Dielectric strength	-	20 kV/mm	IEC 60243-1
Dissipation factor	50 Hz	3 x 10 ⁻⁴	IEC 62631-2-1
Loss of weight ⁽²⁾	-	max. 5.0 %	FED-STD 791 M 321
Operating temperature	-	-40 - 200 °C	-
Penetration (unworked) ⁽³⁾	-	250 - 280 1/10mm	DIN ISO 2137
Permittivity	50 Hz	3.7	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

Application details

- cable joints
- cable terminations
- plugs and connectors
- sealant and lubricant

Processing

Parts are greased before assembly in order to prevent damage or to ensure smooth running properties.

In Transmission & Distribution POWERSIL® PASTE AP, for example, is used for the easy installation of cable terminations and cable joints.

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 POWERSIL® PASTE AP



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.