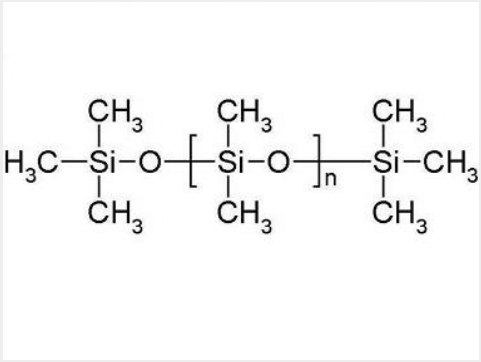
WACKER® AK 600000

Linear Silicone Fluids

WACKER® AK 600000 is a linear, non-reactive polydimethylsiloxane with a viscosity of approx. 600000 mm^2/s.
Due to its chemical structure, WACKER® AK 600000 has an outstanding property profile, which sets it apart from organic materials such as mineral oils.



Properties

WACKER® AK 600000 is a clear, odorless and colorless liquid.

- minimal change in physical properties over a broad temperature range
- excellent water-repellent properties
- good dielectric properties
- low surface tension and thus high surface activity
- chemically highly unreactive
- low solidifying point
- high flash point
- high hear resistance
- good solubility in a wide range of solvents

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, clear	-
Density	-	approx. 0.97 g/cm^3	-
Flash point	-	> 320 °C	ISO 2592
Ignition temperature	-	450 °C	DIN 51794
Refractive index	25 °C	approx. 1.404	DIN 51423
Surface tension	25 °C	approx. 0.022 N/m	-
Viscosity, kinematic	25 °C	approx. 600000 mm^2/s	DIN 53019

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.

Application details

The silicone fluid can be used for a plentitude of applications such as listed below.

WACKER® AK 600000 is a non-polar liquid and is immiscible with polar solvents such as water or shortchain alcohols.

In aliphatic and aromatic hydrocarbons, chlorohydrocarbons, ethers, esters, ketones and higher alcohols, WACKER® AK 600000 is soluble in any proportion.

Before the product is used with solvents for the first time, it is advisable to perform a lab-scale test.

When solvents are used, please remember to read the appropriate hazard information.

Packaging and storage

Storage

Maximum temperature allowed during storage and transportation: 50 °C

A temporary increase in temperature during transport does not impair quality. Actively cooled transport guide can be dispensed with.

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® AK 600000

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

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