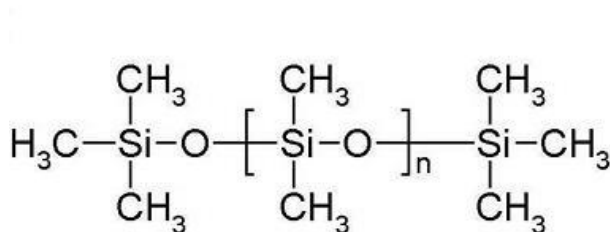


Product description

Structural formula:



Silicone Oil Thick is a linear, non-reactive polydimethylsiloxane with a viscosity of approx. 100 000 mm²/s. Due to its chemical structure, Silicone Oil Thick has an outstanding property profile, which sets it apart from organic materials such as mineral oils.

Properties

Silicone Oil Thick is a clear, odorless and colorless liquid.

Special features

- 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 heat resistance
- good solubility in a wide range of solvents

Application

- release agent
- antifoam agent
- liquid dielectric for electrical and electronic equipment

- plastics additive
- additive for textile and fiber auxiliaries
- damping medium

Silicone fluids from our BELSIL[®] line are available for the cosmetic sector. Whenever particularly high heat and shear resistance is required, we recommend silicone fluids from stab, visc and product lines.

Processing

Due to Silicone Oil Thick many diverse applications, no general processing information can be provided. Parameters will vary from application to application.

Available in a range of viscosities, Silicone Oil Thick is miscible with each other in any ratio. The standard product's viscosity can thus be altered to suit your individual needs.

Silicone Oil Thick is a non-polar liquid and is immiscible with polar solvents such as water or short-chain alcohols. In aliphatic and aromatic hydrocarbons, chlorohydrocarbons, ethers, esters, ketones and higher alcohols, Silicone Oil Thick 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.

Storage

Maximum temperature allowed during storage and transportation: 50 °C.

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.