

Silo P 100



Silicone Lubrication Oil

Special lubricating oil based on phenyl-silicone oil, which is characterized by high thermal stability with almost constant viscosity. It is very water-repellent, stable to oxidation and low in evaporation. Low evaporation and good solubility in many organic solvents, e.g. mineral oil, aromatics and aliphatics. Has a low surface tension (high spreading force) and good lubricating properties for metal-plastic combinations. Due to their low volatility and flammability, these oils are particularly suitable for use in high-temperature oil baths, but also as special lubricants and electronics. They can also be found in high temperature hydraulic systems, inertial guidance systems, sensitive timing devices, photographic equipment, as damping fluid for gauges and fluid springs, in specialty shock absorbers and load cell applications. Lubricity, oxidation resistance, thermal stability and shear strength are improved compared to dimethyl silicone fluids.

Characteristics

- water refusing
- high viscosity index
- excellent extreme pressure ability
- good oxidation resistance
- harmless to health
- low surface tension
- odor less

Applications

- for anti-friction and sleeve bearings with plastic parts, f..e. for seat movement in automotive
- as high-capacity dielectric in capacitors and transformers
- for producing cosmetics
- for plain bearings in precision engineering, music and household equipment
- for small gear boxes with plastic gears
- for bearings in mechanical ignition systems, instruments, counters
- as lubricant for rubber, latex, and plastics
- as heat transfer media and chromatographic stationary phases.
- as power transmission and damping fluid

Technical Datas

Color		Color transparent
Basis		Phenyl-Methyl-Si
Viscosity 40°C	mm ² /s	100
Viscosity 100°C	mm ² /s	31
Viscosity Index		280
Density 40°C	kg/m ³	1050
Temperature Range	°C	-70 -> +300
Pack Size can 5 l		+
Customs tariff number		340399

The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.

For further information, please see our website <https://www.solano-industries.com>