

# Product Information

## PDMS 1000

### Product Description:

PDMS 1000 is a colorless transparent liquid composed of polymethylsiloxane, also known as dimethicone. It is a surfactant that is essentially non-toxic and has excellent dielectric properties. It contains organic methyl groups and inorganic siloxane bonds providing it excellent chemical and thermal stability. PDMS products are available in a variety of viscosity ranges.

### Applications:

PDMS 1000 is widely used as a lubricant, mechanical fluid, mold release agent, anti-foam agent, polish, wetting agent insulating and damping fluid. It is used in variety of industries such as food, personal care, metal die casting, plastics, rubbers, electronics and paints and coatings

### Chemical Formula:

$(C_2H_6OSi)_n$

### CAS No. :

9006-65-6

### Specifications:

Parameters (units)	Specifications
Appearance	Colorless transparent liquid
Specific gravity at 25 °C	0.965 - 0.975
Refractive index at 25 °C	1.4025 - 1.4045
Viscosity (cSt)	1000 ± 50
Flash point (°C)	≥ 315
Ignition point (C)	> 400
Freezing point, approx. (°C)	- 55

\*% denoted represents wt/wt %, unless noted otherwise

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## Packaging:

Material is available in 190 kg steel drums and 950 kg IBCs. Further packaging options may be available upon inquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging. In the original unopened packaging, PDMS 1000 has a shelf life of 36 months when stored at ambient temperatures.

## Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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