



Product Information

PSF-100,000cSt Pure Silicone Fluid

100% Polydimethylsiloxane / PDMS Silicone Fluid CAS # 63148-62-9



PSF-100,000cSt Pure Silicone Fluid is a high viscosity PDMS silicone oil that is widely used as a damping fluid.

PSF-100,000cSt Pure Silicone Fluid is a clear, colorless & odorless 100% linear Polydimethylsiloxane Silicone / PDMS Silicone Oil (CAS # 63148-62-9) with a viscosity of 100,000cSt (centistokes) @ 25°C.

PSF-100,000cSt Pure Silicone Fluid is characterized by its high viscosity, wide service temperature range, high resistance to oxidation, excellent lubricity, high damping action, low VTC (little viscosity change at both high and low temperatures), high dielectric strength and inertness.

PSF-100,000cSt Silicone Fluid is used in a wide range of military, industrial and avionic applications to damping vibration in gauges, meters, & instruments.

PSF-100,000cSt Silicone Fluid is inert to virtually all plastic, rubber and metal surfaces. It is widely used as a lubricant for O-rings, gaskets, valves and seals. *

* Not recommended for silicone rubber as swelling may occur

Uses include Silicone Damping Fluid, Dielectric Fluid, Lubricant for Rubber and plastics, O-Ring lubricant, Valve lubricant and Gasket lubricant & Cable lubricant.

Specifications

Product code	PSF-100,000cSt
Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS #	63148-62-9
Appearance	Clear-colorless fluid
Minimum Order	1-gallon (3.785L)

Features

- High Viscosity
- High Resistance to Oxidation
- High Resistance to Shear
- Chemically Inert
- High Damping Action
- High Thermal Stability

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point	Surface Tension	Thermal Expansion cc/cc °C	Thermal Conductivity g/cal/cm/sec °C	Maximum Volatility % Wt @ 150°C	V.T.C.
0.977	1.4035	-41°C	321°C	21.5	0.00094	0.00038	0.23	0.61

Dielectric Properties

Dielectric Constant 50Hz	Dielectric Strength volts/mil
2.75	400

Packaging

1-gallon (3.785L).....	8lbs / 3.6kg net wt.
5-gallon pail (18.9L).....	40lbs / 18kg net wt.
55-gallon drum (200L).....	419lbs / 190kg net wt.
F.O.B. Phila, PA USA	

Environmental & VOC Status

Clearco Pure Silicone Fluids are exempt from Federal VOC Regulations, including California (CARB) and OTC Regulations. It does not contribute to ozone depletion and global warming. In addition, it meets the following:

- RoHS Compliant
- HAP-free
- VOC Exempt

For More Info, Contact:

Clearco Products Co., Inc.

15 York Road
Willow Grove, PA 19090
U.S.A.

Tel: (215) 366-7860

Fax: (215) 366-7862

Email: info@clearcoproducts.com

Web: www.clearcoproducts.com