



Product Information

PSF-30,000cSt & PSF-60,000cSt Pure Silicone Fluids

High Viscosity Polydimethylsiloxane Fluids / PDMS Silicone Fluids (CAS # 63148-62-9)



PSF- 30k & 60k are high viscosity Polydimethylsiloxane silicone fluids that are widely used as damping fluids.

PSF-30,000cSt and PSF-60,000cSt Pure Silicone Fluids are clear, colorless & odorless 100% linear Polydimethylsiloxane Fluids / PDMS Silicone Fluids (CAS # 63148-62-9) with viscosities of 30,000cSt (centistokes) & 60,000cSt measured @ 25°C.

PSF-30,000cSt and PSF-60,000cSt Pure Silicone Fluids are characterized by its high viscosity, hydrophobic nature, high damping action, low V.T.C. (little viscosity change at both high and low temperatures), wide service temperature range, high resistance to oxidation, excellent lubricity, high dielectric strength and inertness.

Pure Silicone Fluids 30,000cSt & 60,000cSt are used in a wide range of military, industrial and avionic applications to dampen vibration in gauges, meters, instruments, and monitoring systems.

In addition, Pure Silicone Fluid 30,000cSt & 60,000cSt are compatible with virtually all plastic, rubber and metal surfaces. They are 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 Action Fluid, Dielectric Fluid, Lubricant for Rubber and Plastics Parts, O-Ring Lubricant, , Valve and Gasket lubricant.

Specifications

Product code	PSF-30k /PSF-60k
Chemical Name	Polydimethylsiloxane / PDMS Silicone Oil
CAS #	63148-62-9
INCI Name	Dimethicone

Properties

Appearance	Clear, colorless fluid
Specific Gravity	0.976
Refractive Index	1.4035
Pour Point °C	-42°C
Flash Point (Open Cup) °C	315°C
V.T.C.	0.61
Surface Tension @ 25°C	21.3
Thermal Expansion cc/cc °C	0.00096
Thermal Conductivity g/cal/cm/sec °C	0.00038
Dielectric constant 50Hz	2.75
Dielectric Strength (volts/mil)	400

Features

- High Viscosity
- Excellent Lubrication for plastic & rubber
- High Resistance to Oxidation
- High Damping Action
- High Dielectric Strength
- High resistance to shear
- Chemically Inert
- High Thermal Stability

Packaging

1-gallon (3.785L).....	3.6kg net wt.
5-gallon pail (18.9L).....	18kg net wt.
55-gallon drum.....	190kg net wt.

F.O.B. Phila., PA U.S.A.

Environmental & VOC Status:

Clearco Pure Silicone Fluid is 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

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