



Product Information

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

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



PSF- 30k & 60k are high viscosity Polydimethylsiloxane fluids (CAS# 63148-62-9).

PSF-30,000cSt & PSF-60,000cSt Silicone Damping Fluids are clear & odorless linear Polydimethylsiloxane Silicone Fluids (CAS#63148-62-9) with viscosity of 30,000cSt & 60,000cSt (centistokes) measured @ 25°C.

These fluids are characterized by its wide service temperature range, hydrophobic nature, high damping action, high dielectric strength, high resistance to shear, low V.T.C. (little viscosity changes at low and high temperatures), excellent lubrication & inertness.

They meet the composition requirements (100% Polydimethylsiloxane/Dimethyl Polysiloxane) of VV-D-1078 Silicone as Damping Fluid. *

It is used in a wide range of military and industrial applications to dampen vibration, dampen pulsation, and dampen torque in liquid-filled gauges, level controllers, rotary dampers, temperature and process recorders, control valves, calibration equipment, flow meters, thermostats, & monitoring systems.

PSF-Silicone Damping Fluids are particularly effective for use in instruments and gauges that will operate at a wide service temperature range.

* PSF-Fluids are not formally certified or tested to VV-D-1078.

Specifications

Product code	PSF-30k /PSF-60k
Chemical Name	Polydimethylsiloxane / PDMS Silicone Oil
CAS #	63148-62-9
MOQ	1-gallon (3.785L)

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

- Dampen vibration in gauges, instruments, meters and avionic instruments
- Protects internal components against vibration, freezing and corrosion.
- Extends service life of gauges, instruments, meters and avionic instruments.
- Wide Service Temperature Range
- High Oxidation resistance
- Low viscosity changes at temperature (low V.T.C.)
- Inert to virtually all O-rings, gaskets, seals and valves *
- High Dielectric Strength

* Not recommended for Silicone O-rings due to the potential of swelling

Packaging

1-gallon (3.785L).....	3.6kg net wt.
5-gallon pail (18.9L).....	18kg net wt.
55-gallon drum (200L).....	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

For More Info, Contact:

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