

PSF-100,000cSt Pure Silicone Fluid

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



Pure Silicone 100,000cSt is a high viscosity PDMS silicone that meets VV-D-1078 "Silicone as Damping Fluid"

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

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

PSF-100,000cSt Silicone Fluid meets Federal Specification VV-D-1078 "Silicone as Damping Fluid". It is used in a wide range of military, industrial and avionic gauges, meters, instruments, and monitoring systems.

In addition, Pure Silicone Fluid 100,000cSt 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: High Damping Action Fluid, Dielectric Fluid, Lubricant for Rubber and plastics, O-Ring Lubricant, Valve and Gasket 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

Features

<ul style="list-style-type: none"> • High Viscosity Index • Excellent Lubrication • Non-Flammable • High Resistance to Oxidation • High Resistance to Shear • Chemically Inert 	<ul style="list-style-type: none"> • High Damping Action • Meet VV-D-1078 • Excellent Thermal Stability • High Water Repellency • High Compressibility
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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

Packaging

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

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

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