



Product Information

Pure Silicone Fluid 100,000cSt

CAS # 63148-62-9 Polydimethylsiloxane...meets VV-D-1078 "Silicone as Damping Fluid"



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

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

Pure Silicone Fluid 100,000cSt 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), 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 10,000cSt is inert to virtually all plastic, rubber and metal surfaces. It is widely used as a lubricant for o-rings, gaskets, valves and seals.

Uses include: High Damping Action Fluid, Dielectric Fluid, Lubricant for Rubber and plastics, O-Ring Lubricant, Valve and Gasket lubricant.

Specifications

Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS #	63148-62-9
NSN No.	9150-00-292-9609
Appearance	Clear-colorless fluid
Consistency	Honey
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 • Meets NSN 9150-00-292-9609 	<ul style="list-style-type: none"> • Chemically Inert • 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 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

Packaging

1-gallon pail.....	8lbs / 3.6kg
5-gallon pail.....	40 lbs / 18kg
55-gallon drum.....	440 lbs / 200kg
Terms F.O.B. Phila., PA	

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point Open Cup	Surface Tension	Coefficient of thermal expansion	Thermal Conductivity BTU	Maximum Volatility % Wt	Viscosity/Temp coefficient
0.977	1.4035	-41°C	>326°C	21.5	9.2	0.00038	0.23	0.61

For More Information, Contact:

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