



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), 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. It also meets specifications of NSN 9150-00-292-9609.

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.

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
Meets 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.....	3.6kg / 8 lbs
5-gallon pail.....	18kg / 40 lbs
4 x 5-gallon pails	
55-gallon drum.....	200 kg / 440 lbs
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

For More Information, Contact:

Clearco Products Co., Inc.
 3430 G. Progress Drive
 Bensalem, PA 19020
 Tel: 215 639-2640
 Fax: 215 639-2919
 Email: info@clearcoproducts.com
 Web: www.clearcoproducts.com