



Pure Silicone Fluid 12,500cSt (High Viscosity)

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



Pure Silicone 12,500cSt is a high viscosity silicone with a consistency of honey.

Pure Silicone Fluid 12,500cSt is a high viscosity clear, colorless and odorless linear 100% Polydimethylsiloxane Fluid (CAS # 63148-62-9) that has a viscosity of 12,500cSt (centistokes) @ 25°C.

Pure Silicone Fluid 12,500cSt is characterized by its high damping action, high resistance to oxidation, excellent lubricity, wide service temperature range, low V.T.C. (little viscosity change at both high and low temperatures), high dielectric strength and high resistance to shear.

PSF-12,500cSt 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, it meets the specifications of NSN 9150-00-024-9624.

Uses include: Damping Fluid, High Temperature Fluid, Agent, O-Ring Lubricant, Gasket and Valve lubricant, General Purpose Lubricant for plastics and rubber

Specifications

Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS #	63148-62-9
Appearance	Clear-colorless fluid
Consistency	Honey
Federal Spec met	VV-D-1078
Meets NSN No	NSN 9150-00-024-9624
Thermally Stable	Yes
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 VV-D-1078 Silicone as Damping Fluid • Meets NSN 9150-00-024-9624 	<ul style="list-style-type: none"> • Chemically Inert • High Damping Action • Excellent Thermal Stability • High Water Repellency • High Compressibility • Excellent for O-Rings, Gaskets and Seals
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Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point Open Cup	Surface Tension	Thermal expansion cc/cc °C	Thermal Conductivity g/cal/cs/sec °C	Maximum Volatility % wt @ 25C	V.T.C	Dielectric Constant 50Hz	Dielectric Strength volt/mil
0.975	1.4035	-46°C	315°C	21.5	0.00096	0.00038	0.23	0.61	2.75	400

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
5-gallon pail.....	18kg
4 x 5-gallon pails	
55-gallon drum.....	200kg
Terms F.O.B. Phila., PA	

For More Information, Contact:

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