



PSF-12,500cSt Pure Silicone Fluid

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



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

PSF-12,500cSt Pure Silicone Fluid is a high viscosity clear, colorless and odorless linear 100% Polydimethylsiloxane Fluid (CAS # 63148-62-9) with 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

Product code	PSF-12,500cSt
Chemical Name	Polydimethylsiloxane / PDMS Silicone Oil
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
Minimum order	1-gallon (3.785 liters)

Features

- High Viscosity Index
- Excellent Lubrication
- Non-Flammable
- High Resistance to Oxidation
- High Resistance to Shear
- High Damping Action
- High Dielectric Strength
- Chemically Inert
- Wide Service Temperature Range
- High Water Repellency
- Lubricates for O-Rings, Gaskets and Seals
- Plastic & Rubber Lubricant

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
0.975	1.4035	-46°C	315°C	21.5	0.00096	0.00038	0.23	0.61

Dielectric Properties

Dielectric Constant 50Hz	Dielectric Strength volt/mil
2.75	400

Packaging

1-gallon.....	3.6kg / 8 lbs net wt.
5-gallon pail.....	18kg / 40 lbs net wt.
55-gallon drum.....	190kg / 419 lbs 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

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