



# Pure Silicone Fluid 10,000cSt

**High Viscosity Polydimethylsiloxane Fluid (CAS # 63148-62-9)...meets VV-D-1078 Silicone as Damping Fluid**



Pure Silicone Fluid 10,000cSt is a high viscosity polydimethylsiloxane that meets federal spec VV-D-1078 "Silicone as Damping Fluid".

**Pure Silicone Fluid 10,000cSt** is a clear, colorless and odorless high viscosity linear Polydimethylsiloxane fluid (CAS # 63148-62-9 with a viscosity of 10,000cSt (centistokes) @ 25°C.

**Pure Silicone Fluid 10,000cSt** 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-10,000cSt 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
Meets NSN No.	
CAS #	63148-62-9
Appearance	Clear, colorless odorless fluid
Consistency	Honey

### Properties

Appearance	Clear
Specific Gravity	0.975
Refractive Index	1.4035
Flash Point (Open Cup) °C (°F)	315°C
Pour Point °C (°F)	-48°C
V.T.C.	0.61
Surface Tension @ 25°C	21.5
Thermal Conductivity g/cal/cm/sec °C	0.00038
Thermal Expansion cc/cc °C	0.00096
Dielectric Constant 50Hz	2.75
Dielectric Strength (volts/ml)	400

### Features

- High Viscosity
- Excellent Lubrication
- Non-Flammable
- High Resistance to Oxidation
- High Damping Action
- High Dielectric Strength
- Meets VV-D-1078 Silicone as Damping Fluid
- Meets NSN 9150-00-664-3829
- High resistance to shear
- High Water Repellency
- Chemically Inert
- Excellent Thermal Stability

### Packaging

1-gallon pail.....	8lb / 3.6kg
5-gallon pail.....	40lb / 18kg
4 x 5-gallon pails	
55-gallon drum.....	190kg to 200kg

**Terms F.O.B. Phila., PA**

### 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

### For More Information, Contact:

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