



## Pure Silicone Fluid 30,000cSt & 60,000cSt

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



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

**Pure Silicone Fluid 30,000cSt & 60,000cSt** are clear, colorless, odorless high viscosity 100% linear Polydimethylsiloxane Fluids (CAS # 63148-62-9). They have viscosities of 30,000cSt (centistokes) & 60,000cSt @ 25°C.

Pure Silicone Fluid 30000cSt & 60,000cSt are characterized by their 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.

Pure Silicone Fluids meets Federal Specification **VV-D-1078 "Silicone as Damping Fluid"**. They are used in a wide range of military, industrial and avionic gauges, meters, instruments, and monitoring systems.

In addition, Pure Silicone Fluid 30,000cSt & 60,000cSt are inert to virtually all plastic, rubber and metal surfaces. They are 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
NSN Code	9150-00-530-5232 9150-00261-8326
CAS #	63148-62-9
Appearance	Clear, odorless fluid
Consistency	Honey

### Properties

Appearance	Clear
Specific Gravity	0.975
Refractive Index	1.4036
Flash Point (Open Cup) °C (°F)	>326°C
Pour Point °C (°F)	-47°C
Surface Tension @ 25°C	21.3
Thermal Conductivity (BTU)	0.090
Dielectric Strength (volts/mil)	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
- NSN 9150-00-530-5232, 9150-00261-8326
- High resistance to shear
- High Water Repellency
- Chemically Inert
- Excellent Thermal Stability

### 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**

### 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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