



Super High Viscosity Pure Silicone Fluids (300,000cSt, 600,000cSt, 1,000,000cSt)

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



Super Hi-Viscosity Silicones Fluids are 100% PDMS silicone oil that are used in a wide range of damping applications.

Super Hi-Viscosity Pure Silicone Fluids are colorless & odorless linear 100% Polydimethylsiloxane Fluids (CAS # 63148-62-9) that range in viscosity from 300,000cSt to 1,000,000cSt (centistokes) measured @ 25°C.

These fluids are characterized by their wide service temperature range, high thermal stability, high damping action, and inertness.

Super High Viscosity Silicone Fluids are extremely viscous fluids that possess high damping action and exhibit little viscosity change at both high and low temperature. They are used in a wide range of military, industrial and avionic applications to damping vibration in meters and gauges.

Super Hi-Viscosities are widely used as lubricants for O-rings, gaskets, valves and seals. Unlike petroleum-based products, they contain no solvents or distillates that can attack the O-ring. They are compatible with virtually all plastics and rubbers with the exception of silicone rubber where swelling may occur.

Uses Include: silicone damping fluid O-ring lubricant, gasket lubricant, valve lubricant, rotary damper fluid.

Specifications

Chemical Name	Polydimethylsiloxane / PDMS Silicone
INCI Name	Dimethicone
CAS No.	63148-62-9
Appearance	Clear, colorless and odorless liquid

Features and Benefits

- High Damping Action
- Excellent O-Ring Lubricant
- Inert to virtually all o-rings, gaskets, seals and valves
- High Shearability without breakdown
- High Oxidation Resistance
- Hydrophobic – water repellent
- Inert- improves stability and shelf-life of formulations
- Excellent Thermal stability
- Low Viscosity change at both low and high temperatures

Dielectric Properties

Dielectric constant Hz	Dielectric Strength volts/mil
2.75	400

Typical Product Data

Viscosity	Specific Gravity	Refractive Index	Pour Point	V.T.C.	Flash Point	Surface Tension	Thermal Expansion cc/cc °C	Thermal conductivity g/cal/cm/sec °C	Molecular weight
300,000cSt	0.977	1.4035	-41°C	0.61	321°C	21.5	0.00092	0.00038	204,000
600,000cSt	0.978	1.4035	-41°C	0.61	321°C	21.6	0.00092	0.00038	260,000
1,000,000cSt	0.978	1.4035	-39°C	0.62	321°C	21.6	0.00092	0.00038	308,000

Pricing

1-gallon (3.785L).....3.6 kg net wt.
 5-gallon pail (18.9L).....18 kg net wt.
 55-gallon drum.....Please contact us for information
 F.O.B. Phila, PA U.S.A.

For More Info, Contact:
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