



Product Information

Pure Silicone Fluids (medium viscosities)

100% PDMS Silicone CAS # 63148-62-9 Viscosities: 50cSt, 100cSt, 200cSt, 350cSt, 500cSt, 1,000cSt



Pure Silicone Fluids are linear 100% Polydimethylsiloxane aka PDMS Silicone oil (CAS # 63148-62-9)

Pure Silicone Fluids (medium viscosities) are clear & odorless 100% Polydimethylsiloxane Fluids aka PDMS Silicone oil (CAS # 63148-62-9) that range in viscosity from 50cSt (centistokes) to 1,000cSt.

These fluids are characterized by their medium viscosity, wide service temperature range, low V.T.C. (little viscosity change at both low and high temps), high damping action, excellent lubricity for rubber and plastics, high dielectric strength, high resistance to shear, high resistance to oxidation & inertness.

Pure Silicone Fluids are compatible with virtually all O-rings, gaskets, valves and seals.
** Not recommended for silicone O-rings as swelling may occur*

Pure Silicone Fluids are thermally stable, showing excellent stability in low and high temperatures applications for long periods of time. They will remain stable in open system (presence of air) @ 150°C / 302°F. In closed systems, their service temperature is even higher.

Uses include Damping Fluids, Bath Fluids, Heat Transfer Fluids, Dielectric Fluids, Plastic & Rubber Lubricants, O-Ring Lubricants, gaskets lubricants, valve and seal lubricants.

Specifications

Chemical Name	Polydimethylsiloxane PDMS Silicone Oil Dimethylpolysiloxane
CAS #	63148-62-9
Product Code	PSF-50cSt PSF-100cSt PSF-200cSt PSF-350cSt PSF-500cSt PSF-1,000cst
Appearance	Clear, colorless fluid
Minimum Order	1-gallon (3.785 liters)

Features

- Clear, colorless & odorless fluids
- Excellent Lubrication for plastic and rubber parts
- High Damping Action
- Wide service temperature range
- Hydrophobic Nature
- High oxidation resistance
- High dielectric strength
- High resistance to shear
- Inert lubricant for O-rings, gaskets, valves and seals.

Typical Product Data

Viscosity (cSt)	Specific Gravity	Refractive Index	Pour Point (°C)	Flash Point °F (open cup)	V.T.C	Surface Tension	Thermal Expansion (cc/cc/c 0-150°C)	Thermal Conductivity g cal/cm•sec• °C	Maximum Volatility @ 150°C (%wt)	Specific Heat BTU/lb. °F
50	0.960	1.402	-55°C	285°C	0.59	20.8	0.00106	0.00036	0.5	0.36
100	0.966	1.4030	-55°C	315°C	0.60	20.9	0.00096	0.00037	0.5	0.36
200	0.968	1.4031	-50°C	315°C	0.60	21.0	0.00096	0.00037	0.5	0.36
350	0.970	1.4032	-50°C	315°C	0.60	21.1	0.00096	0.00037	0.5	0.36
500	0.971	1.4033	-50°C	315°C	0.60	21.1	0.00096	0.00038	0.5	0.36
1,000	0.971	1.4035	-50°C	315°C	0.61	21.2	0.00096	0.00038	0.5	0.36

Packaging:

1-gallon (3.785 liters).....	3.6kg net wt.
5-gallon pail (18.9 liters).....	18kg net wt.
55-gallon drum (208L).....	200kg net wt.
F.O.B. Phila, PA U.S.A.	

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