



Product Information

Pure Silicone Fluid 10cst

Low Viscosity Polydimethylsiloxane (CAS # 63148-62-9)



Clearco Pure Silicone 10cSt is a low viscosity 100% polydimethylsiloxane with a viscosity slightly higher than water.

Pure Silicone Fluid 10cSt is a low viscosity 100% linear Polydimethylsiloxane (CAS # 63148-62-9) that has a viscosity of 10cSt (centistokes) @ 25°C. It does not contain additives or solvents.

Pure Silicone Fluid 10cSt is characterized by its low viscosity (close to water), low V.T.C. (little viscosity change at both low and high temperatures), excellent lubricity, low surface tension (high spreadability), high damping action (meets VV-D-1078 “Silicone as damping fluid”), inertness to virtually all plastic, foam and rubber surfaces, and low temperature stability (-70°C pour point).

As a damping fluid, PSF-10cSt meets federal specification VV-D-1078 “Silicone as damping fluid as well as NSN No NSN 9150-00-664-0111 & NSN 9150-00-607-0897

Due to its low surface tension, a primary application is as a vehicle or ingredient in cosmetic and personal care product formulations. PSF-10cSt offers high spreadability, low surface tension, subtle skin lubricity, and good leveling and easy rub-out.

Other uses include: Damping Fluid, Low Temperature Bath Fluid, Rubber and Plastic lubricant, O-Ring lubricant.

Specifications

Chemical Family	Silicone
Chemical Name	Polydimethylsiloxane
Synonym	Dimethicone
CAS#	63148-62-9
Appearance	Clear Liquid – Odorless & Tasteless
Non-Flammable	Yes
Thermally Stable	Yes
Federal Spec	VV-D-1078
Meets specifications of NSN No's	NSN 9150-00-664-0111 NSN 9150-00-607-0897
Minimum Order	1-gallon

Features

- Low Viscosity
- Excellent Lubrication for plastics and rubber
- Non-Flammable
- Wide service temperature range
- Chemically Inert
- High Spreadability
- Clear, Colorless, Odorless
- High Water Repellency
- High Resistance to Oxidation
- High damping action...meets VV-D-1078

Packaging

1-gallon pail.....	3.45kg
5-gallon pail.....	17.2kg
4 x 5-gallon pails	
55-gallon drum.....	180kg
Terms F.O.B. Phila, PA	

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point (closed cup)	Surface Tension	Thermal Conductivity @ 25°C g/cal/cm/sec °C	Thermal Expansion cc/cc °C	Volatile content @ 70°C	Specific Heat @ 25°C
0.935	1.3990	-70°C	163°C	20.1	0.00032	0.00108	0.68%	0.360

Properties (cont'd)

Dielectric Constant	Dielectric Strength Volts/mil	Boiling Point	Molecular weight
2.68	375	>200°C	1,250

For More Information, Contact:

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