



Product Information

Pure Silicone Fluid 20cSt

Low Viscosity Silicone (CAS # 63148-62-9) INCI Name: Dimethicone



Pure Silicone Fluid 20cSt is a low viscosity 100% silicone with a viscosity slightly higher than water.

Pure Silicone Fluid 20cSt is a low viscosity 100% Polydimethylsiloxane (CAS # 63148-62-9) that has a viscosity of 20cSt (centistokes) @ 25°C/77°F. It does not contain additives or solvents.

Pure Silicone Fluid 20cSt is characterized by its low viscosity, low operating temperature (pour point of -65°C), low V.T.C. (little viscosity change at both low and high temps), high damping action (meets VV-D-1078 Silicone as damping fluid), excellent lubricity, low surface tension, high dielectric strength and resistance to oxidation.

PSF-20cSt is chemically inert to most materials including Rubber, Plastics and Metals. It is widely used as a lubricant for o-rings, gaskets, valves and seals.

As a damping fluid, PSF-20cSt meets the specifications of NSN 9150-00-543-7219 NSN 9150-00-487-4219 & NSN 9150-00-219-5229

Other uses include: damping fluid, low temperature bath fluid, hydraulic fluid, lubricant for plastics and rubber, dielectric fluid, o-ring lubricant.

Specifications

Chemical Name	Polydimethylsiloxane
INCI/CTFA Name	Dimethicone
CAS No.	63148-62-9
Appearance	Clear, odorless fluid
Viscosity Class	Low
Non-Flammable	Yes
Meets NSN No.	9150-00-543-7219 9150-00-487-4219 9150-00-219-5229
Federal Spec	VV-D-1078
Availability	1 – 5 – 55 gallon drums
Minimum Order	1-gallon

Features

- Low Viscosity
- Excellent Lubrication for rubber and plastic
- Non-Flammable
- Excellent Low Temperature Performance
- Low Temp serviceability: pour point -65°C / -85°F
- Chemically Inert
- High dielectric strength
- High Compressibility
- High Damping Action...meets VV-D-1078
- High Oxidation Resistance
- Meets NSN: NSN 9150-00-543-7219, NSN 9150-00-487-4219, NSN 9150-01-219-5229

Typical Product Data

Specific Gravity	Refractive Index	Pour Point	Flash Point	Surface Tension Dynes cm @ 25°C	Thermal Conductivity @ 25°C g/cal/cm/sec °C	Thermal Expansion cc/cc °C	Volatile content @ 150°C	Specific Heat @ 25°C
0.950	1.4000	-65°C	232°C	20.6	0.00034	0.00107	4.5%	0.360

Properties (cont'd)

Dielectric Constant	Dielectric Strength volts/mil	Boiling Point	Molecular weight
2.72	375	>230°C	2,000

Packaging

1-gallon pail.....	3.6kg
5-gallon pail.....	18kg
55-gallon drum.....	200kg
Terms F.O.B. Phila, PA	

For More Information, Contact:

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