



Clearco High Viscosity Pure Silicone Fluid

Product Information



Clearco Hi Viscosity Silicones have consistencies that range from honey (10,000cSt) to thick molasses (100,000cSt)

Clearco High Viscosity Pure Silicone Fluids are 100% Polydimethylsiloxane Silicones (CAS # 63148-62-9) that do not contain additives or solvents. These silicones are **Chemically Inert** to most materials including Rubber, Plastics and Metals. Clearco High Viscosity Silicones are **Thermally Stable**, showing excellent stability when exposed to low and high temperatures for long periods of time. Uses include Damping Fluid –High Temperature Bath Fluid –Hydraulic Fluid – Mold Release Agent - O-Ring Lubricant – General Purpose Lubricant.

FEATURES

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| <ul style="list-style-type: none"> • High Viscosity • Excellent Lubrication • Non-Flammable • High Resistance to Oxidation | <ul style="list-style-type: none"> • Chemically Inert • Excellent Thermal Stability • High Water Repellency • High Compressibility |
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SPECIFICATIONS

Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS #	63148-62-9
Appearance	Clear, Odorless & Tasteless
Viscosities	10,000, 30,000, 60,000 & 100,000cSt
Consistency	Honey to molasses
Non-Flammable	Yes
Thermally Stable	Yes
Availability	1 – 5 – 55 Gallon Containers
Weight	8 lbs. per gallon
Minimum Order	1 Gallon



Hi Temp Bath Fluid for baths exceeding 500°F also available.



Blended silicones are available upon request.

Typical Properties for High Viscosity Silicones

	10,000cSt	30,000cSt	60,000cSt	100,000cSt
Appearance	Clear	Clear	Clear	Clear
Specific Gravity	0.975	0.971	0.971	0.971
Refractive Index	1.4036	1.4036	1.4036	1.4037
Flash Point (Open Cup) °C (°F)	>326°C (>620°F)	>326°C (>620°F)	>326°C (>620°F)	>326°C (>620°F)
Pour Point °C (°F)	-47°C (-53°F)	-43°C (-45°F)	-41°C (-42°F)	-33°C (-27°F)
Surface Tension @ 25°C	21.3	21.5	21.5	
Operating Temp Range (Open System) °C (°F)	-37°C (-35°F) to 177°C (350°F)	-37°C (-35°F) to 177°C (350°F)	-37°C (-35°F) to 177°C (350°F)	-37°C (-35°F) to 177°C (350°F)
Operating Temp Range (Closed System) °C (°F)	-37°C (-35F) to 232°C (450°F)	-37°C (-35F) to 232°C (450°F)	-37°C (-35F) to 232°C (450°F)	-37°C (-35F) to 232°C (450°F)
Thermal Conductivity (BTU)	0.090	0.090	0.090	0.090
Dielectric Strength (volts/mil)	400	400	400	400

For More Information or To Request a Sample Contact:

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