PSF-30,000cSt & PSF-60,000cSt Pure Silicone Fluids

High Viscosity Polydimethylsiloxane Fluids / PDMS Silicone Fluids (CAS # 63148-62-9)

PSF-30,000cSt and PSF-60,000cSt Pure Silicone Fluids are clear, colorless, odorless high viscosity linear Polydimethylsiloxane Fluids / PDMS Silicone Fluids (CAS # 63148-62-9). They have viscosities of 30,000cSt (centistokes) & 60,000cSt @ 25°C.

PSF-30,000cSt & 60,000cSt Pure Silicone Fluids are characterized by their high damping action, high resistance to oxidation, excellent lubricity, wide service temperature range, low VTC (little viscosity change at both high and low temperatures), high dielectric strength, high resistance to shear and inertness to virtually all substrates.

Pure Silicone Fluids 30,000cSt & 60,000cSt meet Federal Specification VV-D-1078 “Silicone as Damping Fluid”. They are used in a wide range of military, industrial and avionic gauges, meters, instruments, and monitoring systems.

In addition, Pure Silicone Fluid 30,000cSt & 60,000cSt are inert to virtually all plastic, rubber and metal surfaces. They are widely used as a lubricant for O-rings, gaskets, valves and seals.

* Not recommended for silicone rubber as swelling may occur.

Uses include: High Damping Action Fluid, Dielectric Fluid, and Lubricant for Rubber and Plastics Parts, O-Ring Lubricant, Dielectric fluid, Valve and Gasket lubricant.

**Specifications**

<table>
<thead>
<tr>
<th>Product code</th>
<th>PSF-30k /PSF-60k</th>
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<tbody>
<tr>
<td>Chemical Name</td>
<td>Polydimethylsiloxane / PDMS Silicone Oil</td>
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<tr>
<td>CAS #</td>
<td>63148-62-9</td>
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<tr>
<td>INCI Name</td>
<td>Dimethicone</td>
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**Properties**

- Appearance: Clear, colorless fluid
- Specific Gravity: 0.976
- Refractive Index: 1.4035
- Pour Point °C: -42°C
- Flash Point (Open Cup) °C: 315°C
- V.T.C.: 0.61
- Surface Tension @ 25°C: 21.3
- Thermal Expansion cc/cc °C: 0.00096
- Thermal Conductivity g/cal/cm/sec/°C: 0.00038
- Dielectric constant 50Hz: 2.75
- Dielectric Strength (volts/mil): 400

**Features**

- High Viscosity
- Excellent Lubrication
- Non-Flammable
- High Resistance to Oxidation
- High Damping Action
- High Dielectric Strength
- Meets VV-D-1078 Silicone as Damping Fluid
- High resistance to shear
- High Water Repellency
- Chemically Inert
- Excellent Thermal Stability

**Packaging**

1-gallon........................................8lb / 3.6kg net wt.
5-gallon pail........................................40lb / 18kg net wt.
55-gallon drum.................................419 lbs / 190kg net wt.

F.O.B. Phila., PA U.S.A.

**Environmental & VOC Status:**

Clearco Pure Silicone Fluid is exempt from Federal VOC Regulations, including California (CARB) and OTC Regulations. It does not contribute to ozone depletion and global warming. In addition, it meets the following:

- RoHS Compliant
- HAP-free
- VOC Exempt

For More Info, Contact:
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