



PSF-Silicone Rubber & Plastic Lubricants

100% Silicone that contains no solvents or water



PSF-Silicone Rubber and Plastic Lubricant are 100% silicone that contains no solvents or water...excellent lubricant for rubber and plastic parts

PSF-Silicone Rubber & Plastic Lubricants are 100% Silicone Fluids that contain no solvents or water. They are used to lubricate plastic and rubber parts where a thicker film of lubricant is preferred. **PSF-Silicone Rubber & Plastic Lubricants** are clear, colorless, odorless fluids that are non-flammable and inert. They are available in a wide range of viscosities. However, the most common viscosities range from 50cSt to 1,000cSt (see below).

PSF-Silicone is the active ingredient in both the Clearslip#2 and SE60 Rubber & Plastic Lubricants. The silicone film reduces the coefficient of friction between plastic and rubber parts, thus proving excellent lubricity and extended service life to the parts it is applied.

For lubricating plastic and rubber parts/components, there is no better choice than a silicone-based product. Unlike conventional petroleum and glycol-based products, silicone fluids are compatible with virtually all plastic and rubber materials. They are widely used to lubricate a wide range of O-Ring materials including EPDM, Neoprene, Natural Rubber, Teflon, virgin, Butyl, Nitrile, Styrene Butadiene, Buna-N, PVC, LDPE, HDPE.

Although silicones are not recommended for metal-to-metal applications, they are strongly recommended for metal-to-plastic and metal-to-rubber applications.

Specifications

Product codes:	PSF-50 PSF-100 PSF-200 PSF-350 PSF-500 PSF-1,000
Chemical Name	Polydimethylsiloxane
CAS #	63148-62-9
Appearance	Clear, colorless fluid
Minimum Order	1-gallon (3.785 liters)

Features

- Clear, colorless, odorless fluids
- Non-Flammable
- Excellent Lubrication for plastic and rubber
- Wide service temperature range -40°C to 170°C (open system), -40°C to 230°C (closed system)
- Excellent Thermal Stability
- Food Grade: 350 Centistokes viscosity only
- High water repellency
- 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.....	8lbs / 3.6kg
5-gallon pail.....	40 lbs / 18kg
55-gallon drum.....	440 lbs / 200kg
F.O.B. Phila, PA U.S.A.	

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