



PSF-2cSt Silicone Damping Fluid

Low Viscosity Silicone Damping Fluid (CAS# 141-63-8)



PSF-2cSt is a
Dodecamethylpentasiloxane
Silicone damping fluid

PSF-2cSt Damping Fluid is a super-low viscosity linear Polydimethylsiloxane composed mainly of Dodecamethylpentasiloxane (CAS#141-63-8). The fluid is clear, colorless and essentially odorless with a viscosity of 2cSt (centistokes) @ 25°C.

PSF-2cSt Damping Fluid is characterized by its low viscosity, low pour point, hydrophobic nature, low VTC (little viscosity increase even at extremely low temperature), low surface tension, & excellent lubricity.

PSF-2cSt Silicone Damping Fluid is used in a wide range of military and industrial applications to dampen vibration, dampen pulsation, and dampen torque in liquid-filled gauges & instruments.

Due to its low viscosity and low pour point, PSF-2cSt Silicone Damping Fluid is particularly effective for use in instruments and gauges that will operate at extremely low temperatures. It is hydrophobic and prevents humidity from entering the gauge/instrument housing. This is very important. At low temperatures, water condensation can freeze and cause damage to the sensitive parts within the gauge/instrument housing.

Specifications

Product code	PSF-2cSt
Chemical family	Polydimethylsiloxane
Chemical name	Dodecamethylpentasiloxane
CAS No.	CAS# 141-63-8
Appearance	Clear, colorless, odorless fluid
Meets requirements of NSN	NSN 9150-00-754-2600
Minimum Order	1-gallon (3.785L)

Features

- Dampen vibration in gauges, instruments, meters and avionic instruments
- Protects internal components against vibration, freezing and corrosion.
- Extends service life of gauges, instruments & meters
- Excellent low service temperature range
- Low viscosity changes at temperature (low V.T.C.)
- Inert to virtually all O-rings, gaskets, seals and valves *
- High Dielectric Strength

* Not recommended for Silicone O-rings due to possibility of swelling

Typical Product Data

Viscosity	Specific Gravity	Viscosity-Temp Coefficient	Flash Point	Pour Point	Refractive Index	Thermal Expansion cc/cc °C	Thermal Conductivity g/cal/cm/sec °C	Surface Tension	Dielectric Constant	Dielectric Strength volts/mil
2cSt	0.873	0.48	75°C	-100°C	1.3900	0.00117	0.00026	18.7	2.45	350

Packaging

1-gallon (3.785L).....	3.28kg net wt.
5-gallon pail (18.9L).....	16.4kg net wt.
55-gallon drum.....	170kg net wt.
F.O.B. Phila, PA U.S.A.	

For More Info, Contact: Clearco Products Co., Inc.

15 York Road
Willow Grove, PA 19090
U.S.A.

Tel: (215) 366-7860
Fax: (215) 366-7862
Email: info@clearcoproducts.com
Web: www.clearcoproducts.com