

SG-920

SILICON VACUUM GREASE

GENERAL DESCRIPTION:

SG-920 Silicon Vacuum Grease is a homogenous mixture of Poly-Dimethyl Siloxane oils and aerogel of silicone oxide which forms a translucent material of grease like consistency which is maintained over a wide temperature range of -50 °C to 200 °C. It does neither crack nor dry-up or separate into layers due to aging. It spreads uniformly and adheres on to dry surfaces of metals, ceramics, rubbers, PVC, electrical insulation etc.

It possesses very good electrical properties of high volume resistivity, dielectric constant and strength, low dissipation factor, high resistance to arcing and corona all of which are little effected by high humidity. It is chemically inert and non-reactive and thus does not corrode materials and on the contrary helps to protect and maintain the flexibility of materials made of natural or synthetic rubbers, vinyl plastics and similar materials.

RECOMMENDED USAGE:

Non-oxidizing and strongly hydrophobic highly stable at a temperature of - 60 °C. to 200 ° C., resistant to most chemicals and high resistance to aging. It is used in manufacture of semiconductor devices, isolators of high voltage contacts, for industrial applications as a moisture proof dielectric seal cum lubricant for ignition system, engine, battery, switchgear, battery terminal, cable connector, X-Ray, radio electric equipment's. It also can be used as a valve and O-ring lubricant.

ADVANTAGES:

Resistant to dilute solutions of acids alkalize and salts and have high dielectric indexes, which do not depend on temperature. Consistency and insulating properties remain almost unchanged over a wide range of temperatures. Does not form hard deposits and maintains excellent lubricating and sealing properties. Very effective in the treatment of insulators and switch installations especially in heavily industrialized and coastal areas.

Technical Data Sheet



PROPERTIES:

Test	Result			
	0	1	2	3
NLGI GRADE				
Colour	Translucent white			
Odour	Odourless			
Temp. Range	-60 to 208 ° C			
Drop Point	>230° C			
Penetration	370	320	270	240
Flash Point of Base oil	>300 ° C			
Freedom from abrasive particles	No perceptible scratch on plastic test plates			
Resistance to high temp.	(200+/- 5 °C. for 30 hrs.)			
a). Evaporative loss	2.0 % (max.)			
b). Oil separation	8.0% (max.)			
Low temperature stability				
(appearance at -50° C.)	No crack or solidification			
Electrical :				
a). Volume resistivity (ohm/cm at 27 ° C.)	1.35 X 10/15			
b). Dielectric constant 1 MHz	2.82			
c). Dissipation factor at KHz	Tan less then 0.0005			



Yale Synthlube Industries Pvt. Ltd.
T5/4 World Trade Centre, Cuffe Parade, Mumbai 400005, India
Phone +91 22 2218 3108 / +91 22 2218 6748 / +91 22 2218 1545
yale@synthlube.com / www.synthlube.com / 1800 22 1545 (Toll Free)

