SG - 920

SILICON GREASE (EQUIVALENT TO DMSI 450/10)

SG-920 Silicon Grease is a homogenous, 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. SG-920 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.

PROPERTIES :

Test	Result
Colour	Colourless
Odour	Odourless
Consistency	Drop point above 230° 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

HM-SILICON GREASE

HM Silicon Grease is a homogenous mixture of Poly-Dimethyl Siloxane oils and aerogel of silicone oxide. They are translucent Odourless, non-toxix and physiologically inert. Their consistency and insulating properties remain almost unchanged over a wide range of temperatures. Grease are resistant to dilute solutions of acids alkalinize and salts an have high dielectric indexes, which do not depend on temperature.

FEATURES :

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. 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.

APPLICATIONS :

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.