SYG-2760 SILICONE HIGH VACUUM GREASE

Product Description

SYG-2760 SILICONE HIGH 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 -60 °C to 250 °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.

SYG-2760 SILICONE HIGH VACUUM GREASE 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 nonreactive 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

Applications

SYG-2760 SILICONE HIGH VACUUM GREASE is a non-oxidizing and strongly hydrophobic highly stable at a temperature of - 60 °C to 250 ° 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.

Benefits

SYG-2760 SILICONE HIGH VACUUM GREASE is resistant to dilute solutions of acids alkalinize 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.

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Typical Properties

SYG-2760	0	1	2	3
Color	Translucent white			
Odor	Odorless			
Temp. Range	-60 to 250 ° C			
Drop Point	None			
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			
Heat Resistance	>200°C			
Discharge Rate	0.8g/sec			
SP. GR.	0.81			

Available Packs: 1, 5, 18 and 180 Kg

Tube Packs: 50, 100 and 200 grams

Shelf Life – 36 Months from the Manufacturing month

* All related specifications are meets or exceeds.
Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

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Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product **SYG-2760 SILICONE HIGH VACUUM GREASE**

Supplier **PETRELPLUS INC.**

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2. COMPOSITION

No harmful substances. Composition of Poly-Dimethyl Siloxane oils and proprietary additives.

3. HAZARDS INDENTIFICATION

FIRE	-Flammable at high temperature.
HEALTH	
Eye contact	-May cause mild irritation to the eyes upon direct contact.
Skin contact	-Prolonged contact may defat the skin or can cause dermatitis.
Inhalation	-hazards.
Ingestion	-Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation	-Remove person to fresh air. Seek medical help if discomfort persists.
Ingestion	-Do not induce vomiting. Seek medical support.
Skin Contact	-Immediately flush skin with plenty of water for at least 15 minutes.
Eye Contact	-Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media	-Use dry chemical powder or carbon di – oxide or foam.
Special protective equipment	-Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection	- Adequate ventilation, gloves, goggles, overalls and boots.
Environmental precautions	- Avoid entry into water courses.
Clean up method	- Absorb on inert material.

7. STORAGE AND HANDLING

Handling	- Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
Storage	- Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection	- Not required under normal conditions.
Skin/hand protection	- Impervious gloves, overalls, and boots.
Eye protection	- Use Goggles

9. TYPICAL PROPERTIES

NLGI	- 0 to 3
Color	- Translucent White
Operating temperature range	- (-60°C to +250°C)
Drop point, ^{0}C	- None

10. STABILITY AND REACTIVITY

Stability	- Stable
Conditions to avoid	- Excessive temperatures
Materials to avoid	- Strong oxidizers
Hazardous decomposition products	- Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short- & Long-Term effect	- Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFOMRATION

CPL	- Not applicable
IMO	-Not applicable

15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.