

## B.S.HI-VACUUM SILICONE GREASE

B.S.HI-VACUUM SILICONE GREASE has many features that make it ideal as a grease for various types of high vacuum equipment. It is also suitable for lubrication and sealing of valves and cocks.

### 1. Features

- (1) High vacuum of  $1.3 \times 10^{-4}$ Pa can be obtained.
- (2) Can be used in a wide temperature range (-40°C to 200°C).  
Can be used up to 260°C in the absence of oxygen.
- (3) Excellent oxidation stability.
- (4) Excellent oil and chemical resistance.
- (5) Excellent electrical characteristics.
- (6) Low toxicity.

### 2. Applications

- (1) Sealing and lubrication of chemical reaction equipment.
- (2) Lubrication of plug valves, control valves, flow meter bearings, glass cocks, etc.
- (3) Sealing of vacuum or pressure equipment.
- (4) Lubrication of water handling equipment.
- (5) Lubrication of synthetic rubber gaskets and seals in high temperature applications.

### 3. Solvent resistance / Chemical resistance

B.S.HI-VACUUM SILICONE GREASE is insoluble in water, methanol, ethanol, acetone, glycol and glycerin, but soluble in kerosene, toluene, ethyl ether and petroleum ether. It is also stable in most mineral and vegetable oils, many organic chemicals, common gases, aqueous solutions of inorganic salts, dilute acids, and dilute alkalis.

### 4. Typical properties

Property	B.S.HI-VACUUM SILICONE GREASE	
Appearance	White Translucent Grease	
Unworked Penetration	175~210	
Bleed 200°C,24h	%	<0.5
Evaporation 200°C,24h	%	<2.0
Density 25°C	g/cm <sup>3</sup>	1.0
Freezing Point	°C	<-40
Boiling Point	°C	None

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