

Vacuum Grease



Introduction

Vacuum grease refers to high vacuum silicone grease made of secondary processing products of polysiloxane. It is characterized by safe non-toxic, high physiological security, excellent heat resistance, good oxidation resistance, great stripping and electrical insulation properties. Silicone grease can be used in the temperature range of -50°C to $+260^{\circ}\text{C}$, and it has good lubrication effect on many materials such as plastics, rubber, wood, glass and various metal while it is non-corrosive to iron, steel, aluminum, copper and its alloy.

Specification

Appearance	White and Translucence Ointment
Penetration	221
Colloid-Stability %(m/m)	4.8
Evaporation Loss(200°C)	1.2
Similar viscosity($-40, 10\text{s}-1$)P s.s	682
Operating Temperature Range	$-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$
Net Weight:	50g

Features

- Good water resistance ensures long-lasting lubrication and sealing in a humid environment.
- Excellent electrical insulation performance ensures the use safety of electronic and electrical products.
- It has great chemical resistance, oxidation resistance, dust resistance, radiation resistance, aging resistance, good chemical stability and long service life;
- With a wide range of operating temperature from -40°C to 260°C , it can maintain the constant performance at a great temperature difference. Also, it is free of dry coking under high temperature and freezing under low temperature.
- With strong material adaptability, it can compatible with most plastic and metal. With features of tasteless, non-toxic, non-stimulated, it fully meets the environmental requirements.

Application

- It is largely applicable to lubrication, shock absorption and damping of various machineries and precision instruments used in high and low temperature environment.
- Suitable for lubrication and sealing of glass piston and ground joint in 6.7×10^{-4} Pa vacuum system.
- Suitable for lubrication and sealing in the presence of bromine, water, acid, base and other chemical media.
- Suitable for electrical insulation, anti-flashover, damping, dust prevention, anti-vibration, anti-water, demoulding and sealing.
- Suitable for lubrication and sealing of power switch, O-ring, automobile brake pump, petrochemical valves and other devices.