

Datasheet

Silicone Grease

RS Stock number [496-877](#)



Description:

A waterproof grease based on silica thickened Polydimethylsiloxane. Suitable for use as a lubricating grease and to provide corrosion resistance to metallic surfaces. This product also has excellent electrical insulating properties.

Used on most metallic components and rubber parts to provide lubrication and corrosion resistance. As an electrical insulating grease for electronic controls and switches.

Do NOT use on Silicone O-rings or live electrical equipment without first allowing the carrier solvent and propellant to fully evaporate.

**Benefits:**

Excellent lubrication properties.
Highly water repellent.
Safe on all metallic and most rubber and plastic components.
Does not swell or soften rubber (unlike petroleum based greases).
Low reactivity.
Good heat stability.
High dielectric strength.
Oxidation, chemical and weather resistant.

Physical Properties:

This is for the lubricant base except where stated.

Appearance:	A turbid, viscous grease
pH:	N/A
Specific Gravity:	0.84 – 0.86
Non Volatiles % m/m:	30 - 50
Viscosity:	1500 – 3500 cps at 20 °C
Composition Data, as supplied:	A solution of silicone oil, fumed silica and synthetic fragrance in naptha (petroleum), hydrocarbon heavy, dispersed in a butane/isobutane/propane propellant
Service Temperature (Continuous):	Up to 200 °C
Dielectric Strength (25 °C):	400 volts/mil
Volume Resistivity (25 °C):	1.0×10^{15} ohm-cm

Application Details:

Shake thoroughly before use. Spray sparingly onto the component, from a distance of 15 to 20cm, ensuring an even coating.

Availability:

400 ml Aerosol