

## PRODUCT DATA SHEET

### Silicone Grease

Non Melting, High Temperature Dielectric Grease

#### PRODUCT DESCRIPTION

**Silicone Grease** is a premium, non toxic silicone compound for use in a wide variety of applications including the lubrication of taps and valves, the assembly of elastomer seals and O rings and for use on threaded parts and sliding surfaces. It has excellent electrical insulation properties, is highly resistant to water and is non-melting.

#### PRODUCT BENEFITS

- NSF: H1 registered (Lubricant with incidental food contact- for use in and around food processing areas)
- Extremely water resistant
- Excellent dielectric properties for effective insulation
- Wide temperature range
- Non toxic/Safe
- Highly resistant to oxidation and shear breakdown
- Resistant to many chemicals, hot and cold water, low pressure steam, and many gasses
- Highly compatible with most types of rubber seals
- Halal Certified

#### TYPICAL APPLICATIONS

- Rubber seals, 'O' rings, gaskets and seals
- Suitable for valve lubrication
- Tapware for potable water
- Electrical wiring and components
- Plug and gate valves
- Vacuum and pressure systems
- Low speed bearings
- Sealant for outdoor equipment subject to washing and harsh environment exposure

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#### PROPERTIES OF MATERIAL

##### Typical Value

Appearance	-	White semi-translucent grease
NLGI Classification	-	2 ½
Thickener	-	Inorganic Thickener
Drop point (IP 132)	-	Non melting
Base oil	-	High viscosity silicone oil
Worked Penetration	-	220-270
Copper corrosion (IP112)	-	Pass
Dielectric Strength	-	16 kV/mm
Water washout (ASTM D1264) @ 38°C	-	<2% max.
Dynamic corrosion resistance (EMCOR) (IP 220)	-	0:1
Shell Four Ball (IP239) Weld load	-	180kg
Mean Hertz Load	-	30kg
dN factor	-	200,000
Operating temperature range	-	-55°C to +205°C

#### GENERAL INFORMATION

**Silicone Grease** can be applied by hand, or by using a standard grease gun (400gm cartridges are available), or via a central lubricating system capable of pumping an NLGI No. 2 ½ grease. Ensure all surfaces are clean and free of dust. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

#### HEALTH AND SAFETY INFORMATION

All ingredients are FDA listed ingredients under 21 CFR 178.3570. **Silicone Grease** is NSF H1 registered and meet the USDA 1998 H1 Guidelines. These products do not contain genetically modified ingredients, and nut oil or derivatives. The product is non-hazardous. A Material Safety Data Sheet is available from the Guardian Food Grade Oils Technical Department upon request or available on our website

**Product Code: 6207**

**Pack Size: 2.5kg, 500gm, 100gm Tube**

The content of this data sheet is given in good faith but without warranty (August 2017).