

SILICONE GREASE

NON-MELTING, HIGH TEMPERATURE DIELECTRIC GREASE

CODE: 9097

SILICONE GREASE is a premium, non-toxic silicone compound fortified with **PTFE** (Polytetrafluoroethylene fluorocarbon) to provide excellent lubricating qualities over a wide range of temperatures and for use in a wide variety of applications. It has excellent electrical insulation properties and is highly resistant to water and is non-melting.

Primary market: Suitable for use in industrial, automotive, transport earthmoving, forestry, agriculture, mining, construction, electrical, marine and many more.

PRODUCT BENEFITS

- ✓ PTFE is a premium film medium that reduces friction thus increasing lubrication and reducing operating temperatures. Protects against wear on all moving parts from shock loadings to unusually high-load service conditions.
- ✓ Resistant to many chemicals, hot and cold water, low pressure steam, and many gasses
- ✓ Excellent dielectric properties for effective insulation
- ✓ Highly compatible with most types of rubber seals
- ✓ Highly resistant to oxidation and shear breakdown
- ✓ Extremely water resistant, wide temperature range
- ✓ Non toxic. NSF: H1 registered (Lubricant with incidental food contact- for use in and around food processing areas)

Recommended applications include:

- 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
- Protection of battery terminals
- Heavy duty mould release
- Many other applications requiring a premium Silicone Grease

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PROPERTIES OF MATERIAL

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

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment

A Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Safety Data Sheet is available at Sterling Lubricants by email: info@sterlinglubricants.com.au