



Silicone Grease NLGI#2 O-Ring and Valve Lubricant

100% polydimethylsiloxane compound to lubricate o-rings, gaskets, valves and seals...NSF H1 Registered



Excellent O-Ring Lubricant: meets FDA 21 CFR 175.300 specs for incidental contact with food.

Silicone Grease NLGI#2 (also Silicone Grease 3005 Food Grade) is an NLGI #2 (medium stiffness) Silicone Grease, formulated with polydimethylsiloxane (CAS # 63148-62-9) and inert silica filler. It is used in a variety of applications that require: wide range of thermal stability, high dielectric strength, electrical insulation, inertness to rubber and plastic surfaces, and insulation against corrosion and moisture.

Silicone Grease NLGI#2 is inert to virtually all substrates with the exception of silicone rubber. * It is often used for lubricating o-rings, gaskets, valves and seals as well as surfaces that require excellent lubricating properties over long periods without drying out. It is not recommended for metal-to-metal lubrication or on surfaces that will be painted or finished.

*Swelling may occur

Silicone Grease NLGI#2 meets FDA 21 CFR 175.300 requirements for use as a lubricant for incidental contact with food. It is widely used in food processing and food packaging applications.

Typical Properties

Property	Range	Expected
Color	White to translucent	White to translucent
Specific gravity		1.03
Temperature range		-40°C to 200°C
Bleed	2% maximum	0.5%
Evaporation	2% maximum	0.1%
NLGI rating		NLGI#2
Penetration	200 to 300	255
Dielectric strength		>450 volts/mil

FDA 21 CFR Specifications

Meets the FDA 21 CFR 175.300 and 21 CFR 178.3570 for Lubricants with incidental food contact.

O-Ring Compatibility

Aflas (0)	Natural Rubber (4)
Chemraz (4)	Polyacrylate (4)
Kalrez (4)	Polyurethane, millable (4)
Nitrile, Hydrogenated (4)	Teflon, virgin (4)
Polyurethane, Cast (0)	Butyl (4)
Styrene Butadene (4)	Ethylene-propylene (4)
Buna-N (Nitrile) (4)	Hypalon (4)
Epichlorohydrin (4)	Neoprene (4)
Fluorosilicone (4)	Polysulfide (4)
Silicone (2)	Vamac (4)

(4) Good, both for static and dynamic seals
 (3) Fair, usually OK for static seals
 (2) Sometimes OK for static seals, not OK for dynamic seals
 (1) Poor
 (0) No Data

Applications

- O-ring lubricant
- Gasket lubricant
- Valve lubricant
- Insulates against moisture and extreme weather conditions
- Waterproofing grease
- Dielectric grease
- Damping medium for electronic equipment
- Sealant for pressure systems
- Lubricant for rubber cables and plastic cables
- Meets FDA 21 CFR specifications for incidental contact with food.

Packaging

Squeeze tubes *

- 0.5 oz squeeze tubes
- 1 oz. squeeze tubes
- 2 oz. squeeze tubes
- 5.3 oz squeeze tubes

*Minimum of 12-tubes per order

1 to 40 lb. containers

- 1 lb. plastic pail
- 8 lb pail (1-gallon)
- 40 lb pail (5-gallon)

FOB Phila, PA 19135 U.S.A.

Limitations

Do not use with highly oxidative chemicals such as liquid oxygen, chlorine or peroxides, nor surfaces to be painted. Not for use as a lubricant for metal-to-metal surfaces

Storage & Shelf-Life

When stored in original unopened container at or below 100°F, Clearco has a shelf life of 12 months from date of shipment. Extended storage life is probable. Containers should always be kept sealed when not in use.

For More Information, Contact:

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