



Product Information

Silicone Grease 2012 NSF Standard 61 Water Potable

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



Silicone Grease 2012 is an NSF 61 Registered Water Potable Grease

Silicone Grease 2012 NSF/ANSI 61 is NLGI #2 (medium stiffness) PDMS silicone grease compound, formulated with Polydimethylsiloxane (CAS # 63148-62-9) and inert silica filler.

Silicone Grease 2012 is registered with the NSF and meets the requirements of NSF/ANSI Standard 61 for water portable applications. It is widely used on o-rings, valves, gaskets and assorted plumbing components that require an NSF 61 water potable lubricant/compound. Further, Silicone Grease 2012 meets FDA 21 CFR 175.300 requirements for use as a lubricant for incidental contact with food in food processing and food packaging applications.

Silicone Grease 2012 NSF 61 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 2012 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

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

Applications

- NSF 61 O-ring lubricant
- NSF 61 Gasket lubricant
- NSF 61 Valve lubricant
- Insulates against moisture and extreme weather conditions
- NSF 61 Waterproofing grease
- NSF 61 Dielectric grease
- Damping medium for electronic equipment
- Sealant for pressure systems
- Lubricant for rubber cables and plastic cables

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

NSF/ANSI Standard 61 (Contract# C0145798)

NSF International certifies that the Silicone Grease 2012 conforms to the requirements of NSF/ANSI Standard 61 – Drinking Water System Components – Health Effects.

Packaging

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

FOB Phila, PA 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 18 months from date of manufacture. Extended storage life is probable. Containers should always be kept sealed when not in use.

For More Info, Contact:
Clearco Products Co., Inc.
15 York Road
Willow Grove, PA 19090
U.S.A.

Tel: (215) 366-7860
Fax: (215) 366-7862
Email: info@clearcoproducts.com
Web: www.clearcoproducts.com