



Product Information

Silicone Grease 3005 NSF H1 Food Grade

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



Excellent O-Ring Lubricant: registered with the NSF as an H1 lubricant and meets FDA 21 CFR 175.300 specs for incidental contact with food.

Silicone Grease 3005 is a 100% Silicone Grease Compound with an NLGI #2 (medium stiffness). It is formulated with PDMS Silicone / Polydimethylsiloxane (CAS # 63148-62-9) and inert silica filler. Silicone Grease 3005 is characterized by its wide service temperature range, high temperature stability, low temperature stability, high dielectric strength, excellent lubricity, inertness to virtually all rubber and plastic surfaces, and effectiveness in insulating against corrosion and moisture.

Silicone Grease 3005 is inert to virtually all substrates with the exception of silicone rubber. * It is widely 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 3005 is registered with the NSF (Registration No. 136725) as an H1 lubricant that is approved for incidental food contact in food processing and food processing applications. In addition, it meets FDA 21 CFR 175.300 requirements for use as a lubricant for incidental contact with food.



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

NSF H1 / FDA 21 CFR Specifications

Registered with the NSF (Registration #136725) as an H1 Lubricant and 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

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.

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
- NSF H1 Food grade grease for food processing, food packing, canning and bottling equipment

Packaging

Squeeze tubes

1-case (12 x 5.3oz tubes)

*Minimum of 1-case (12-tubes per order)

1 lb to 40 lb. containers

1 x 1lb plastic jar

4 x 1 lb. plastic jars.

8 lb. pail (1-gallon)

40 lb. pail (5-gallon)

2cc (2g) pillow packs

1-case (2,500 x 2cc) minimum order

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