



Product Information

Clearco Silicone Grease 3005 (food grade)



Excellent O-Ring Lubricant – also meets FDA 21 CFR 175.300 requirements.

Clearco Silicone Grease (Silicone Compound) is a grease-like material containing pure polydimethyl silicone fluids and inert silica filler. It is used in a wide range of applications that require...good thermal stability, high dielectric strength, inertness, corrosion and moisture resistance, low odor, and areas that require good lubricating properties over long periods without drying out.

Clearco Silicone Grease is used as lubricants for rubber and plastic materials, protective coatings, Valve & O-Ring lubricant, release agents, and electrical insulator and sealant. They are not recommended for metal-to-metal lubrication, on surfaces that will be painted or finished. It meets FDA 21 CFR 175.300 requirements for use as a lubricant for incidental contact with food in food processing and packaging applications.

Specifications

Appearance	Clear, homogenous paste
Specific gravity	1.03
Copper corrosion	Shiny 1B
Dielectric strength (volts/mil)	850

USDA / FDA Specifications

Clearco Silicone Grease Compounds complies with the requirements of the FDA, 21 CFR 175.300 and 21CFR 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

Mil-C-21567A Specifications

Property	Minimum	Maximum	Test
Penetration (worked)	260	320	283
Oil Separation (%)		4	0.04
Evaporation (%)		2	0.90
Waterproof Seal	Pass/fail		pass

Mil-S-8660C

Waterproofing Seal	Pass/fail		Pass
Penetration			
Unworked	200	260	256
Worked		310	283
Worked (24 hrs @ 204°C)		310	399
Oil Separation (%)		8	0.04
Evaporation (%)		2	0.90

NLGI-2

Penetration (worked)	265	295	283
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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 or To Request a Sample Contact:

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