



Super Hi-Glyde O-Ring Lubricant

Protection & Performance Optimized

Lubricants are essential for O-rings and seals in various applications. Super Hi-Glyde is our silicone-based lubricant with a low coefficient of friction and meets FDA 21 CFR 175.300 requirements. It is suitable for lubrication and water resistance improvement in equipment used in industries such as food, sanitation, brewing, and beverages, where required. Super Hi-Glyde is ideal for automotive, industrial, and commercial applications. This lubricant exhibits excellent adhesion to metal, rubber, and plastic materials, which prevents the lubricating film from being washed away due to fluid action in the system.

Super Hi-Glyde has high resistance to wear, pressure, rust, and corrosion. It helps protect O-rings and seals from ozone degradation, cracking, abrasion, cutting, and pinching. Our lubricant has great thermal stability, does not cure, and can operate in temperatures ranging from -55°C to 250°C (-67°F to 482°F). The lubricant also helps speed up the installation process, saving customers valuable time and money.

Technical Properties	Standard	Value
Appearance		Clear/ Translucent
Consistency Grade NLGI	D217	2#
Worked Cone Penetration, 25°C (77°F), 0.1mm	D217	265 - 295
Dropping Point, °C	D2265	252.0
Volatilization Loss, 22hrs @ 99°C (210°F), %	D972	0.18 (max)
Oil Separation, 24hrs @ 100°C (212°F), %	D1742	2.0 (max)
Wear Scar Diameters, 392N, 1hr, mm	D2266	0.4 (max)
Copper Sheet Corrosion Test Level, 3hrs @ 100°C (212°F)	D4048	1a
General Temperature Range, °C (°F)		-55 to 250 (-67 to 482)

Super Hi-Glyde delivers superior results since silicone does not swell or soften the rubber. Silicone is non-toxic, highly water-repellent, and oxidation resistant. These properties make Super Hi-Glyde a safe to use product for both the employees and the applications in which they are used.

Super Hi-Glyde is not compatible for use with fluids containing phosphate esters or fire retardant fluids that are often used in mining, foundries, and steel mills. It is resistant to most organic solvents, strong acids, and alkali. It is also compatible with:

Rubber materials:

- Nitrile
- Viton™ /Fluorocarbon
- Urethane
- Fluorosilicone
- Neoprene/Chloroprene
- Ethylene Propylene
- Natural Rubber
- Isoprene
- Styrene Butadiene
- Butyl
- Butadiene
- Chlorosulfonated Polyethylene
- Polyisobutene
- Polysulfide
- Polyacrylate

Plastic materials:

- Acetal
- Nylon/Polyamide
- Polyethylene (LDPE, HDPE, LLDPE, UHMW-PE)
- Polypropylene
- Polyvinyl Chloride
- Polystyrene
- Polyethylene Terephthalate
- Acrylonitrile Butadiene Styrene
- Polycarbonates
- Poly(methyl methacrylate) (PMMA)
- Polyphenylene Oxide (PPO)
- Polyphenylene Sulphide
- Liquid Crystal Polymers

