



TECHNICAL PRODUCT INFORMATION

Multi Purpose Lithium Grease

Super S® MP Lithium Grease is a mineral oil based, general purpose, medium/hard high performance grease based on a new lithium 12-hydroxystearate soap thickener fortified with anti-oxidant, anti-wear, and anti-rust additives. These premium quality greases are suitable for a wide range of industrial, automotive, agricultural, marine applications, and is formulated for use in most electrical motor bearings. It has excellent water resistance with a typical dropping point of > 190°C (374°F). It is designed to withstand heavy loads, and offers maximum protection for wheel bearings, suspension systems, universal joints, steering linkages, and chassis. It seals out dirt and moisture and offers good stability over its operating range.

Super S® MP Lithium Grease is fortified with rust and oxidation inhibitors with anti-wear and metal deactivating agents to provide excellent mechanical stability in a wide variety of industrial, automotive, and household applications. It is available in multiple colors and consistencies to match your exact application. Developed to protect equipment in operating environments of moderate load and temperature such as on-highway chassis lubrication, garage doors, lawn equipment, plain bearings and most other applications where high temperature and load protection is not required.

FEATURES/BENEFITS

Super S Multi-Purpose Lithium Grease:

- Provides excellent water and oxidation resistance
- Provides Rust and Corrosion protection
- Provides good anti-wear protection
- Extremely shear stable
- Resists softening due to heat
- Suitable for high temperature applications
- Is compatible with other lithium greases
- Use in electrical motors
- Good mechanical stability

APPLICATIONS

Super S Multi-Purpose Lithium Grease:

- General automotive chassis lubrication, ball joints, and universal joints
- Bearings >100 mm (3.9 in.) shaft size (MP#3)
- Outer bearing ring rotation
- General farm equipment lubrication
- Slow speed plain bearings and slides where heavy grease with solid lubricants is required
- Construction equipment including bulldozers, scrapers, loading shovels, and dump trucks
- Electric motor and water pump bearings
- Vertical shaft applications
- Continuous high ambient temperature >35°C (95°F)
- Plain bearings, locks, latches, and fasteners
- Bicycle chains, bolt threads, swings, and recreational equipment
- Garage doors, lawn mowers, and other home and workshop needs
- Light industrial lubrication
- Fifth Wheels



TYPICAL CHARACTERISTICS

Super S Multi Purpose Lithium Grease - Amber		
<i>Properties</i>	<i>Test Method ASTM D-</i>	<i>Data</i>
All Applications		
Appearance	Visual	Amber
Consistency	Visual	Smooth
Soap Type		Lithium
NLGI Grade		2
NLGI Classification		LA/GB
Worked Penetration	217	278
Drop Point (°C/°F)	2265	190 (374)
Oil Separation	1742	1-3
Base Oil Viscosity cSt @ 40 °C cSt @ 100 °C	445	150 15.1
Viscosity Index	2270	101
Automotive Applications		
Water Washout	1264	<10%
High Temp Life, hrs	3527	40
Elastomer Change @ 100 °C Volume Change % Hardness Change %	4289	10 -2
4 Ball Wear Scar Diam., mm	2266	<0.4
Rust Test	1743	Pass
Low Temperature Torque N-m	4693	12.0
Industrial Applications		
Timken OK Load lbs	2509	40
Weld Point, kg	2596	250

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing

PRODUCT NUMBERS

SUS 68-14	50/ 14 oz tubes
SUS 68-12	12/1 lb tub
SUS 68-35	35 lb Pail
SUS 68-121	120 lb keg