



Super S[®] MP 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

- 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





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Typical Physical Characteristics

Super S [®] Multi-Purpose Lithium Grease				
Properties	Test Method ASTM	Data		
All Applications				
Appearance	Visual	Dark	Amber	Amber
Consistency	Visual	Smooth	Smooth	Smooth
Soap Type		12-HSA	12-HSA	12-HSA
NLGI Grades		2	2	3
NLGI Classification		LA/GB	LA/GB	LA/GB
Worked Penetration	D-217	278	278	240
Drop Point (°C/°F)	D-2265	190/374	190/374	190/374
Oil Separation	D-1742	1-3	1-3	1-3
Base Oil Viscosity				
cSt @ 40°C	D-445	150	150	150
cSt @ 100°C		15.1	15.1	15.1
Viscosity Index	D-2270	101	101	101
Automotive Applications				
Water Washout	D-1264	<10%	<10%	<8%
High Temp Life, hrs	D-3527	40	40	40
Elastomer Change @ 100°C				
Volume Change %	D-4289	10	10	10
Hardness Change %		-2	-2	-2
4 Ball Wear Scar Diam, mm	D-2266	<.04	<.04	<0.4
Rust Test	D-1743	Pass	Pass	Pass
Low Temp Torque N-m	D-4693	12.0	12.0	15.5
Industrial Applications				
Timken OK Load lbs	D-2509	40	40	40
Weld Point, kg	D-2596	250	250	250

**MP# 3 is NOT recommended for wheel bearings with disc brakes.

Special handling, notices or warnings:

Use the same care and handling as for any petroleum product.

For further guidance on Product Health and Safety refer to the appropriate Super S Safety Data Sheet.