



Super S[®] Super Moly EP 2 Grease

Super S Super Moly EP 2 Grease is a premium, lithium complex multi purpose grease with outstanding high temperature performance. It contains an extreme-pressure (EP) additive for increased load-carrying ability. Additionally, it contains molybdenum disulfide which effectively reduces friction under boundary lubrication conditions providing unmatched protection against vibration and shock loading. Super Moly EP 2 is dark gray and has a smooth, buttery texture that is water resistant and provides excellent lubrication over a wide temperature range and for a variety of services. Enhanced with excellent oxidation and corrosion inhibitors that act synergistically to provide extended service protection.

Super Moly EP 2 is recommended for use in equipment operating in rough, severe conditions such as shock loaded mobile equipment used in the mining, forestry, or construction industries, as well as heavy mining equipment.

APPLICATIONS

Super S Moly EP 2 Grease is recommended for:

- Slow speed bearings in mining and heavy manufacturing
- Heavy duty chassis lubrication; ball and universal joints
- Ball and roller bearings
- Heavy duty industrial lubrication such as Ball Mill conveyors
- Wheel bearings both disc and drum
- Fifth wheel applications
- Pulp & Paper Mills
- Heavy duty off-road equipment
- Rail cars and tracks
- Marine
- Steel mills/metalworking

RECOMMENDATIONS/SPECIFICATIONS

Meets requirements of NLGI GC-LB
Meets the Bucyrus International MPG Multi Purpose Grease (SD 4711) specification

SPECIAL HANDLING, NOTICES OR WARNINGS

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

FEATURES/ BENEFITS

Super S Moly EP 2 Grease provides

- **Long life under high temperature provides long-lasting equipment protection-** performs better than many of the leading competitive premium multi-application products by lasting 2-3 times longer in the ASTM
- **Low water washout requiring less re-greasing and maintenance** - effective water washout resistance can reduce maintenance costs in wet environments.
- **High mechanical stability in severe operating conditions** - can also lower maintenance costs as a result of reduced product breakdowns under low to moderately high shear conditions
- **Synergistic oxidation inhibitors allow for extended service operation over a wide range of temperatures** - completed over 90 hours at 160C in the ASTM D3527 Bearing Life Performance Test. Operating range of -20C to 160C
- **Outstanding rust and corrosion protection-** only a 2% psi loss after 100 hrs in the D942 Oxygen Pressure Vessel
- **Wear protection under extreme loads-** outperforms other leading brands in both the Four Ball Wear and Weld Point tests



TYPICAL CHARACTERISTICS

Super S Moly EP 2 Grease		
Properties	Test Method ASTM D-	Data
All Applications		
Appearance	Visual	Grey/black
Consistency	Visual	Smooth, Tacky
Soap Type		Lithium complex
NLGI Grade		2
NLGI Classification		GC-LB
Worked Penetration	217	265-295
Drop Point (°C/°F)	2265	>260(500)
Filler		Molybdenum disulfide/graphite
Moly Content %		3
Oil Separation	1742	<1
Base Oil Viscosity	445	
cSt @ 40 °C		400
cSt @ 100 °C		27
Viscosity Index	2270	90
Automotive Applications		
Water Washout @ 175 °F	1264	2.5
Leakage Tendencies, g loss	4290	2.0
High Temp Life hours	3527	100
Fretting Protection mg	4170	7.8
Elastomer Change @ 100 °C Volume Change % Hardness Change %	4289	24 -9
4 Ball Wear Scar Diam., mm	2266	0.4
4 Ball Load Wear Index kg	2596	45
4 Ball EP Weld kg	2596	620
Rust Test	1743	Pass
Low Temperature Torque N-m	4693	15.5
Industrial Applications		
Timken OK Load lbs	2509	45
Cu Corrosion	4048	Pass
Oxidation, psi drop @ 100 hrs	942	2

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 203 50/ 14oz tubes
- SUS 203-35 35 lb Pail
- SUS 203-120 120 lb keg