



MAJESTIC HI TEMP PREMIUM EP LITHIUM MULTIPURPOSE GREASE

Technical Data Sheet

Description

Majestic Hi Temp Premium EP Lithium Multipurpose 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 260°C (500°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.

Majestic Hi Temp Premium EP Lithium Multipurpose 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. 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 load protection is not required.

Attributes

- 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
- Used in electrical motors
- Good mechanical stability

Applications

- General automotive chassis lubrication, ball joints and universal joints
- 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
- Electrical motor and water pump bearings
- Vertical shaft applications
- Continuous high ambient temperature >35 °C (95 °F)
- Plain bearings, locks, latches, and fasteners
- Bicycle chains bot threads, swings, and recreational equipment
- Garage doors, lawn mowers and other home and workshop needs
- Light industrial lubrication
- Fifth wheels

Special Handling, Notices or Warnings

Use the same care and handling as for any petroleum product. For further guidance on Product Health and Safety, please refer to the appropriate Safety Data Sheet.

Product Codes

Majestic Hi Temp Premium EP Lithium Multipurpose Grease is available in the below packaging. Please use the reference code when ordering.

- 400 lb Drum, MAJHD1400LB
- 120 lb Keg, MAJHD1120LB
- 10/14 oz Case, MAJHD1



Typical Characteristics

PROPERTIES	TEST METHOD ASTM	DATA
All Applications		
Appearance	Visual	Red
Consistency	Visual	Smooth
Soap Type		Li 12-HSA
NLGI Grades		2
NLGI Classification		LA/GB
Worked Penetration	D-217	278
Drop Point (°C/ °F)		260/500
Oil Separation		1-3
Base Oil Viscosity		
cSt @ 40 °C	D-445	150
cSt @ 100 °C		15.1
Viscosity Index	D-2270	101
Automotive Applications		
Water Washout	D-1264	<10%
High Temp Life, hrs	D-3527	40
Elastomer Change @ 100 °C		
Volume Change %	D-4289	10
Hardness Change %		-2
4 Ball Wear Scar Diam, mm	D-2266	.54
Rust Test	D-1743	Pass
Low Temp Torque N-m	D-4693	12.0
Industrial Applications		
Timken OK Load lbs	D-2509	40
Weld Point, kg	D-2596	250

**The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.*

Revised 03/01/2023