



MAGNA™ ALPHA EP GREASE

MAGNA™ ALPHA EP GREASE – is a multipurpose, extreme pressure (EP), lithium grease developed for use in a wide variety of industrial and automotive applications. It is a versatile, general-purpose grease for use in applications where operating temperatures and loads are moderate.

MAGNA ALPHA EP GREASE is manufactured with high quality base oils and a lithium 12-hydroxystearate soap thickener. It is fortified with EP and anti-wear additives plus rust and oxidation inhibitors. It has good load carrying capacity to protect against wear and good oxidation resistance for long service life. It protects metal parts against rust and corrosion, and is resistant to water washout. It has good resistance to shearing and will not soften excessively during high-speed operation in rolling element bearings maintaining a good seal to minimize bearing contamination.

MAGNA ALPHA EP GREASE is available in multiple grades for use in a wide variety of applications. It is an excellent grease for use in centralized lube systems. The semi-fluid grades may be used in enclosed industrial gearboxes where oil leakage is a problem.

Applications

- Plain and rolling-element bearings in compressors, fans, centrifugal pumps and other industrial equipment where operating temperatures and loads are moderate
- Chassis parts, universal joints and water pumps on passenger cars, light trucks and other mobile equipment
- Track rollers, commercial lawn mowers, crushers and vibrating screens (semi-fluid grades)
- Enclosed gear drives on industrial, mining and mobile equipment where oil leakage is a problem (semi-fluid grades)
- Wheel bearings of passenger cars equipped with drum brakes
- Centralized grease lubrication systems
- General purpose shop/industrial grease

SP. NOTE: Test reports shown in typical characteristics are proven in specified tests conditions and cannot be assumed as actual and cannot be constituted as specifications.

Features & Benefits

- Multipurpose grease for use in a wide variety of applications
- Good EP and anti-wear properties
- Excellent shear stability
- Good oxidation resistance and thermal stability
- Protects against rust and corrosion
- Excellent resistance to water washout
- Suitable for use in centralized lube systems

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

Typical Characteristics

NLGI Grade	EP-000	EP-00	EP-0	EP-1	EP-2	EP-3
Thickener Type	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Color	Amber	Amber	Amber	Amber	Amber	Amber
Texture	Smooth	Smooth	Smooth	Smooth/ Tacky	Smooth/ Tacky	Smooth/ Tacky
Density, lbs/gal	7.5	7.5	7.5	7.5	7.5	7.5
Dropping Point, °C (°F), ASTM D2265	N/A	N/A	180 (356)	180 (356)	260	260
Viscosity Kinematic, ASTM D445						
cSt @ 40°C	320	220	220	220	220	220
cSt @ 100°C	21.6	18	18	18	18	18
Penetration, Worked (60 strokes), ASTM D217	445-475	400-430	355-385	310-340	265-295	280
Oxidation Stability, 100 Hours, psi (kPa), ASTM D942	4.6 (32)	6.2 (43)	6.2 (43)	6.2 (43)	6.2 (43)	6.2 (43)
Four-Ball Wear Scar, mm, ASTM D2266	0.5	0.5	0.45	0.45	0.45	0.45
Four-Ball EP, Weld Load, Kgf, ASTM D2596	250	250	250	315	315	315
Timken OK Load, lbs, ASTM D2509	40	40	40	50	50	50
Corrosion Prevention, ASTM D1743	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion, ASTM D4048	1b	1b	1b	1b	1b	1b

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.