

Mobilith AW Series

Multipurpose EP Greases

The Mobil logo, consisting of the word "Mobil" in a blue sans-serif font, is positioned in the top right corner. A large, thick red curved line arches over the logo from the left.

Product Description

Mobilith AW Series are smooth/tacky green, lithium-complex, soap-base greases. They are formulated with antiwear agents to provide excellent service under the severe operating conditions of heavy and shock loading. Oxidation inhibitors enhance the ability of Mobilith AW Series greases to withstand operating temperatures up to 177°C (350°F) with minimum breakdown or leakage. Rust inhibitors protect lubricated components from rust and corrosion. The Mobilith AW Series greases have excellent handling and dispensing properties at temperatures down to -40°C (-40°F), which means they are superior to most high-temperature greases which generally have poorer low-temperature consistency and pumpability. The Mobilith AW Series greases provide superior lubrication under thin film conditions, and resist displacement from highly loaded components encountered in industrial applications. Their excellent resistance to water and protection against rust make the greases well-suited to applications requiring maximum protection over extended periods. In order to maintain the performance characteristics of the Mobilith AW Series greases, completely clean or purge previously used greases from the system.

Benefits/Advantages

- Excellent antiwear protection under heavy and shock loads.
- High dropping point: 246°C (475°F).
- Outstanding operating temperature range: -40°C to 177°C, (-40°F to 350°F).
- Excellent protection against rust and corrosion.

Application

Mobilith AW 2 and 3 greases are recommended for the lubrication of bearings operating with heavy or shock loads, and at temperatures up to 177°C (350°F). They are suitable for lubricating cams, ways, and other sliding elements. Other applications include vehicles and greased components in paper mills, where both water and high temperatures are encountered.



Typical Properties

Mobilith	AW 2	AW 3
NLGI Grade	2	3
Color	Green	Green
Structure	Smooth/Tacky	Smooth/Tacky
Soap Type	Lithium Complex	Lithium Complex
Mineral Oil Viscosity		
cSt at 40°C	150	150
cSt at 100°C	13	13
SUS at 100°F	750	750
SUS at 210°F	70	70
ISO Viscosity Grade	150	150
Penetration at 23°C (77°F), worked	280	235
Dropping Point, °F	475	475
Timken OK load, lb	40	40
Four Ball Test EP Weld Load, kg	250	250
Load Wear Index	40	40
Four Ball Wear, scar diameter, mm, max	0.5	0.5
Corrosion Prevention	Pass	Pass
Wheel Bearing Test modified, leakage, gram	4	3

Health and Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

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