

ExxonMobil 1 Mobilith AW Series

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

The Mobilith AW Series products are high performance lithium-complex 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 175° C with minimum breakdown or leakage. Rust inhibitors protect lubricated components from rust and corrosion. Mobilith AW Series greases are available in NLGI grades from 00 to 3 with base oil viscosity ISO VG 150, except for Mobilith AW 00 which is ISO VG 100. Mobilith AW Series greases have excellent handling and dispensing properties at temperatures down to -40° C, which means they are superior to most high-temperature greases that 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.

Application Considerations:

In order to maintain the performance characteristics of the Mobilith AW Series greases, completely clean or purge previously used greases from the system. Mobilith AW Series greases are heavy-duty products designed for multi-purpose industrial applications covering a wide range of operating conditions. Specific applications include: Mobilith AW 1, 2, and 3 greases are recommended for the lubrication of bearings operating with heavy or shock loads, and at temperatures up to 175° C. 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; Mobilith AW 0 and 00 are softer, high-temperature greases recommended for centralised grease application systems, gear lubrication, and where extreme-cold-temperature pumpability is important

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-1-Mobilith-AW-Series.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	150 cSt	150 cSt	ASTM D445
Oxidative Stability	100 hour	100 hour	Pressure Drop of 35 kPa; ASTM D942

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	ASTM D2596
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	325	325	Worked, 25°C; ASTM D217
Timken Test	>= 18100 g	>= 40.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	260 °C	500 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	green	
Copper Strip Corrosion, ASTM D4048	1A	
Corrosion Prevention, ASTM D1743	pass	
Emcor/SKF Water Wash Test, IP 220	0	
Soap/Thickener Type	lithium complex	

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