

PROGRESS LMX BLUE SERIES

Lithium Complex Greases

PRODUCT DESCRIPTION

PROGRESS LMX BLUE SERIES are special lithium complex soap greases that are formulated with new generation functional saponification technology. Soap structure is built on high quality base oils and contains oxidation inhibitors, corrosion and rust inhibitors, extreme pressure (EP) and anti-wear (AW) additives.

ADVANTAGES

Functionalized thickener-soap plays an active role to improve lubrication and prevent corrosion compared to other conventional greases. Soap exists in the grease to provide impermeability and create an oil cracker. At functionalized thickener soap mode, grease soap helps to fulfill the duties of lubricants and additives with high productivity by passing from passive mode to active mode.

“By using functionalized thickener (Soap);

- High thermal stability,
- Continuous oil film durability,
- Endurance to water and corrosive chemicals,
- Mechanical stability is provided.

Thanks to these characteristics

- Lifetime of rolling bearings extend
- Resistance to corrosion and rust
- Provides saving at grease consumption
- Perfect protection against water washout
- Reduce maintenance and labor cost
- Increase in production efficiency

APPLICATION

PROGRESS LMX BLUE SERIES are used in heavy-duty vehicles, long distance and continuous heavy loaded heavy equipment transportation and worksites, cement and mining applications. It also can be used as airscrew grease, winch rope grease and turret pin grease in marine applications. Thanks to its water and corrosion resistance, it can be used as open gear grease or rust inhibitor for keeping spare parts in open or closed areas.

PROGRESS LMX BLUE SERIES reduce wear formation caused by metal to metal contact with its extreme pressure characteristic. Thanks to this characteristic, they prevent scratch based wears and extends the lifetime of bearings.

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values	
NLGI	-	ASTM D 217	2	3
Soap Type	-	-	Lithium Complex	
Base Oil Type	-	-	Mineral	
Worked Penetration, 25 °C	mm/10	ASTM D 217	265 - 295	220-250
Color	-	Visual	Blue	
Density, 15 °C'de	g/cm ³	ASTM D 4052	0,89	
Base Oil Viscosity, 40 °C	cSt	ASTM D 445	220	
4-Ball Weld Test	kgf	ASTM D 2596	315	
4-Ball Wear Test, 40 kg 60 min	mm	ASTM D 2266	0,5	
Oil Separation	% m/m	ASTM D 1742	1	
Water Washout	% m/m	ASTM D 1264	1,6	
Dropping Point	°C	ASTM D 2265	>260	
Recommended Working Temperature	°C	-	-21 / 170	

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 15 kg
- 180 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Health and Safety

Based on the available information, PROGRESS LMX BLUE SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com