



PROGRESS LM SERIES

Lithium Based Bearing Greases

PRODUCT DESCRIPTION

PROGRESS LM SERIES are lithium soap greases including antioxidant, anti-wear and rust inhibitor additives. They can be used in automobile lubrication and plain or rolling bearings at industrial working areas that do not require heavy lift. Provide economy by reducing the grease variety in the wide range applications of factories and vehicle fleets.

ADVANTAGES

- High resistance of wear and corrosion.
- Wide usage area.
- Operates at wide range of temperatures.
- High oxidation and load resistance.

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values			
			LM 0	LM 1	LM 2	LM 3
NLGI	-	ASTM D 217	0	1	2	3
Soap Type	-	-	Lithium	Lithium	Lithium	Lithium
Base Oil Type	-	-	Mineral	Mineral	Mineral	Mineral
Worked Penetration, 25 °C	mm/10	ASTM D 217	355-385	310-340	265-295	220-250
Color	-	Visual	100	100	100	100
Base Oil Viscosity	cSt	ASTM D 445	Light Brown	Light Brown	Light Brown	Light Brown
Density, 15 °C	g/cm ³	ASTM D 4052	0,89	0,89	0,89	0,89
Four Ball Weld Load	kgf	ASTM D 2596	200	200	200	200
Four Ball Wear Test 40 kg 60 min	mm	ASTM D 2266	0,5	0,5	0,5	0,5
Oil Separation	% m/m	ASTM D 1742	3	2,8	2,2	2
Water Washout	% m/m	ASTM D 1264	4,7	4,5	4,3	3,5
Dropping Point	°C	ASTM D 2265	>175	>185	>185	>185
Recommended Working Temperature	°C	-	-24/+120	-24/+120	-24/+120	-24/+120

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 LM 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.

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