

SuperMax Oil Germany Grease LMW Series

Lithium EP Greases



PRODUCT DESCRIPTION

SuperMax Oil Germany Grease LMW Series are special lithium soap greases produced with new generation saponification technology. To keep the performance on high level extreme pressure (EP), oxidation, corrosion and rust inhibitor special additives are added.

SuperMax Oil Germany Grease LMW Series can be used in various types of industrial applications such as electric engine bearings, fan and wheel bearings, steel joints and other sliding and rolling bearings that operates under normal pressure. They are ideal choices for centralized lubrication systems (up to NLGI 2). NLGI 00, 1, 2 and 3 can also be available to use

ADVANTAGES

- High oxidation and thermal resistance
- High water resistance
- Provide excellent corrosion and rust protection
- Provide high performance against wear and corrosion formation
- Reduce grease consumption (extension in grease application periods and/or reduction in pumped amount)

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Ideal Values				
NLGI	-	ASTM D 217	00	0	1	2	3
Soap Type	-	-	Lithium				
Base Oil Type	-	-	Mineral				
Worked Penetration, @25°C	mm/10	ASTM D 217	400 - 430	355-385	310-340	265-295	220-250
Color	-	Visual	Yellow - Brown	Yellow - Brown	Yellow - Brown	Yellow - Brown	Yellow - Brown
Density, @15°C	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	250				
4 - Ball Wear Test, 40 kg 60 min	mm	ASTM D 2266	0.4				
Oil Separation	% m/m	ASTM D 1742	3	3	2.8	2.2	3
Water	% m/m	ASTM D 1264	-	4.7	4.5	4.3	3.5
Dropping Point	°C	ASTM D 2265	>185	>180	>190	>190	>190
Recommended Working Temperature	°C	ASTM D 2896	-24 / 120				

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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 50 °C

SHELF LIFE

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

HEALTH AND SAFETY

Based on the available information, SuperMax Oil Germany Grease LMW Series are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

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