

LUBEX SYN

Full Synthetic Grease



Features & Benefits

- PAO based
- Broad application temperature range
- High dropping point
- Good pump-ability at low temperature
- Disc and non-disc, wheel bearing NLGI approved, GC/LB
- Low power drain on start-up in cold weather
- Excellent protection against EP, corrosion and rust
- Extended life
- Less re-greasing for lower labor costs

LUBEX SYN are synthetic greases that use patented Calcium Sulfonate complex thickener technology along with a synthetic PAO* oil to offer particular benefits not open to conventional greases. PAO generally has several advantages over mineral oils. Among these are a naturally high useful operating temperature range, very low pour point, excellent fluidity at low temperatures and a high natural resistance to oxidation and other degrading effects of high temperature.

LUBEX SYN is recommended for use wherever extreme temperatures call for grease with extended performance. In addition, at normal temperatures, and where contamination can be avoided, **LUBEX SYN** will give a longer life than conventional EP greases extending the time interval before re-greasing is required and reducing both grease and manpower costs.

At low temperatures, **LUBEX SYN** is able to offer excellent pump-ability, useful when dispensing the grease in winter, along with low starting and running torques to minimize power drain on start-up of machinery.

At high temperatures, **LUBEX SYN** is very resistant to oxidation, which is the prime factor limiting a grease's useful life, and the synthetic oil will evaporate less than a mineral oil of the same grade. The special thickener also gives a very high dropping point: This is the temperature at which the thickener melts and loses its ability to hold the oil in a semi-solid state.

LUBEX SYN greases, as with all Irving Lubex greases, also give excellent protection against wear and high loads (Extreme Pressure), as well as unmatched protection against rust and corrosion. This is achieved without the use of traditional chemical additives in the oil phase of the grease. For this reason, **LUBEX SYN 2(100)** is suitable not only for general plant lubrication but also for electric motor lubrication, even in wet environments, since the grease is excellent at preventing corrosion and because there are no aggressive chemicals to attack the windings should the grease find its way inside the motor.

Size & Order Codes

LUBEX SYN 2 46	LUBEX SYN 2 100	LUBEX SYN 1.5 460
400g Box 10 Tubes FG001312	400g Box 10 Tubes FG006812	400g Box 10 Tubes FG004512
17 kg/37.5 lb Pail FG001340	17 kg/37.5 lb Pail FG006840	17 kg/37.5 lb Pail N/A
55 kg/121.3 lb Keg N/A	55 kg/121.3 lb Keg FG006845	55 kg/121.3 lb Keg FG004545
180 kg/396 lb Drum FG001350	180 kg/396 lb Drum FG006850	180 kg/396 lb Drum N/A



Blending & Packaging
www.irvingblend.com
1.800.574.5823

Supporting data available to demonstrate appropriate performance.
Check with your Sales Representative for latest product approvals.
Please note, these are typical performance indicators and can change without notice.
This data sheet supersedes any previous version prior to 5/24/2018.

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Typical Results

NAME	Lubex SYN 2 46	Lubex SYN 2 100	Lubex SYN 1.5 460
THICKENER TYPE	Calcium Sulfonate	Calcium Sulfonate	Calcium Sulfonate
NLGI GRADE	2	2	1.5
COLOR/APPEARANCE	Tan/Smooth	Tan/Smooth	Tan/Smooth
VISCOSITY, OIL COMPONENT (D445) cSt @ 40°C	42-50	90-110	414-506
WORKED PENETRATION (D217) @ 25°C	280	280	290
OPERATING TEMPERATURE °C	-40 to 232	-40 to 232	-40 to 232
4-BALL EP TEST WELD POINT (D2596 (KG))	620 min	500 min	500 min
LOAD WEAR INDEX (D2596)	>100	>100	>100
4-BALL WEAR (D2266) WEAR SCAR DIAM. (mm)	0.45	0.45	0.45
DROPPING POINT (D2265) (°C)	315 min	300 min	300 min
ROLL STABILITY (D1831), CHANGE, (%)	4	4	4
OXIDATION STABILITY, PSI DROP, 100 HRS (D942)	6	-	-
RUST PREVENTION (D1743)	PASS	PASS	PASS
LOW TEMPERATURE TORQUE @ -40°C (D1478) (g·cm)			
Start	5600		
Running (10 minutes)	3100	-	-
Running (60 minutes)	230		

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