

FOOD-PLUS GREASE CALSUL 1.5 L

FOODGRADE GREASES

323701101



FOOD GRADE HIGH PERFORMANCE GREASE WITH HIGH RESISTANCE TO HIGH TEMPERATURES AND SPEEDS BASED ON A PAO

This product belongs to a group of state-of-the-art greases that have been created by utilizing modified overbased calcium sulfonates in their formulation. This technology exhibits remarkable mechanical stability, elevated dropping point, superior load-bearing capability, minimized wear, and outstanding resistance to both water and steam as well as corrosion. In several aspects, this technology surpasses other high-temperature greases such as lithium complex, aluminum complex, and polyurea, thereby establishing its superiority. This particular item is a synthetic grease with high viscosity, which has been approved for incidental contact with food under the H-I standard. Its purpose is to deliver superior performance even in high-temperature environments and infrequent lubrication scenarios within the food processing industry. The grease is most effective for low to medium speed bearings that function under harsh conditions, such as exposure to saltwater, steam, varying temperatures,

and other foreign materials commonly found in sugar beet processing. Additionally, it is well-suited for use in pellet presses, which pose increasingly stringent requirements for lubricants. This product has a well-established history of improving bearing lifespan and decreasing instances of wear and downtime.

PROPERTY	METHOD	VALUE
Appearance	Visual	Smooth
Colour	Visual	Tan
Base oil viscosity @ 40 °C, mm ² /s		400
Base oil viscosity @ 100 °C, mm ² /s		37.5
NLGI consistency	ASTM D217	1.5
Consistency, 60 strokes, mm/10	ASTM D217	280-320
Dropping point, °C	ASTM D2265	330
4-ball wear test - weld load, kg	ASTM D2596	>490
4-ball wear test - wear scar, mm	ASTM D2596	0.56
Rust Test	ASTM D1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper corrosion	ASTM D4048	1b
EMKOR	DIN 51 802	0-0
Water resistance @ 90 °C, 3h % lost	ASTM D1264	<1
Water wash out	ASTM D1264	0.8
Oil separation, % loss @ high temperature (30h @ 100°C)	ASTM 51817	0.5
Oil separation (mm)	ASTM D1742	<0.1
Operating service temperatures, °C		-40 - 240
Peak temperature, °C		260
FAG FE-8 bearing wear test, roller wear (mg)	DIN 51 819-3	< 15
NSF registration		165011
Kosher approved		Pending
Halal approved		Pending

CATEGORY

- Greases

BENEFITS

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- Resistant against cold & hot water and alkali-based cleaners
- Adheres to metal surfaces
- High dropping point. Typically more than 300 °C
- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives
- Excellent mobility and torque at temperatures down to -40 °C
- Contains no colorant (Titanium Dioxide TiO₂)
- Formulated for enhanced resistance to hot, cold, and salt water
- Sulphonates are known and used for their excellent rust prevention properties
- The use of premium antioxidant and a high viscosity PAO ensures excellent thermal and oxidation stability. Life performance is typically increased by up to four times that of a regular mineral oil-based grease
- Bearing life performance in excess of 200 hours
- Suitable for centralized lubrication systems

All data on this technical data sheet is indicative only

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