

FOOD-PLUS GREASE CALSUL 2 L

FOODGRADE GREASES

323701301



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

This product is part of a family of highly advanced greases created through the complexing of modified overbased calcium sulphonates. This technology offers remarkable mechanical stability, high dropping point, excellent load carrying capacity, reduced wear, and superior resistance to water, steam, and corrosion. In fact, it matches or surpasses other top-tier high-temperature greases like lithium complex, aluminum complex, and polyurea in numerous ways. This grease product is a synthetic H-1 approved, with high viscosity, suitable for incidental food contact. Its purpose is to deliver outstanding performance in food processing applications, particularly under conditions of infrequent lubrication and elevated temperatures. It is most suitable for low to medium speed bearings operating in harsh conditions, including exposure to salt water, steam, temperature changes, and foreign materials such as process fluids commonly found in sugar beet processing. Additionally, pellet presses are another

application with increasingly stringent requirements for lubricants. This product has demonstrated excellent results in enhancing the lifetime of bearings and rollers while reducing 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	2
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes % change	ASTM D217	4.5
Dropping point, °C	ASTM D2265	318
Roll stability, 50% water, %	ASTM D1831	2.5
Timken OK load, kg	ASTM D2509	27.2
4-ball wear test - LWI, kg	ASTM D2596	41
4-ball wear test - Weld load, kg	ASTM D2596	>490
4-ball wear test - Wear scar, mm	ASTM D2596	0.41
Rust Test	ASTM D1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper corrosion	ASTM D4048	1b
Wheel bearing leakage, grams	ASTM D4290	3.5
Bearing life performance, hours	ASTM D3527	260
Bomb oxidation, psi drop / 1000 hours	ASTM D3527	5.0
Water washout @ 80 °C, % lost	ASTM D1264	0.5
Oil separation, % loss	ASTM D1742	0.1
Low temperature torque, 10000 g-cm @ start - @ -40 °C	ASTM D1478	6000
Low temperature torque, 10000 g-cm @ start - @ -29 °C	ASTM D1478	6000
Low temperature torque, 10000 g-cm @ start - @ -18 °C	ASTM D1478	6000
Low temperature torque, 10000 g-cm @ 60 min - @ -40 °C	ASTM D1478	800
Low temperature torque, 10000 g-cm @ 60 min - @ -29 °C	ASTM D1478	800
Low temperature torque, 10000 g-cm @ 60 min - @ -18 °C	ASTM D1478	800
Speed Factor*		400.000
Operating service temperatures, °C		-40 - 240
Peak temperature, °C		260
NSF registration		141133
Kosher approved		Yes
Halal approved		Yes

All data on this technical data sheet is indicative only

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DYADE

LUBRICANTS

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
- Suitable for centralized lubrication systems