

FOOD-PLUS GREASE CALSUL 2 H

FOODGRADE GREASES

323701201



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

This product belongs to a range of advanced greases that have been created by complexing modified overbased calcium sulphonates. This technology is distinguished by its outstanding mechanical stability, high dropping point, excellent load carrying capacity, low wear, and exceptional resistance to corrosion, water, and steam. In fact, this technology matches and often exceeds the performance of other top-quality, high-temperature greases like lithium complex, aluminum complex, and polyurea. Designed for incidental food contact, this product is a synthetic H-1 grease with low viscosity that delivers outstanding performance at high temperatures and infrequent lubrication intervals in food processing applications. It is particularly well-suited for use with low to medium to high-speed bearings, seal-for-life bearings, and in extended-life operations such as centrifuges and electrical motor bearings.

| PROPERTY | METHOD | VALUE |
|--|------------|-----------|
| NLGI consistency | ASTM D217 | 2 |
| Colour | Visual | Tan |
| Base oil viscosity @ 40 °C, mm ² /s | | 100 |
| Base oil viscosity @ 100 °C, mm ² /s | | 13.4 |
| Texture | Visual | Smooth |
| Dropping point, °C | ASTM D2265 | 318 |
| Consistency, 60 strokes, mm/10 | ASTM D217 | 280 |
| Mechanical stability, 10.000 strokes % | ASTM D217 | 4.8 |
| Roll stability, 50% water, % change in pen. | ASTM D1831 | 2.5 |
| Timken OK load, kg | ASTM D2509 | 27.2 |
| 4-ball wear test - LWI, kg | ASTM D2596 | 55 |
| 4-ball wear test - Weld load, kg | ASTM D2596 | 400 |
| 4-ball wear test - Wear scar, mm | ASTM D2596 | 0.40 |
| Rust test, rating | 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 | 3.8 |
| Bearing life performance, hours | ASTM D3527 | 240 |
| Bomb oxidation, psi drop after 1000 hours | ASTM D3527 | 6.0 |
| Water washout @ 80 °C, % | ASTM D1264 | 0.5 |
| Oil separation, % loss | ASTM D1742 | 0 |
| Low temperature torque, 10000 g-cm @ start @ -40 °C | ASTM D1478 | 7500 |
| Low temperature torque, 10000 g-cm @ start @ -18 °C | ASTM D1478 | 600 |
| Low temperature torque, 10000 g-cm @ 60 min @ -40 °C | ASTM D1478 | 800 |
| Low temperature torque, 10000 g-cm @ 60 min @ -18 °C | ASTM D1478 | 125 |
| Speed Factor* | | 400.000 |
| Working service temperatures, °C | | -40 - 225 |
| Peak temperature, °C | | 260 |
| NSF registration | | 141131 |
| Halal approved | | Yes |
| Kosher approved | | Yes |

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

All data on this technical data sheet is indicative only

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