

PRODUCT DATA SHEET

FOODGUARD Premier 2 Grease

High Performance, Calcium Sulfonate Food Grade Grease

FOODGUARD Premier 2 grease is a high performance, food grade grease with high resistance to heavy loads and water. This cutting edge over based calcium sulfonate grease is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex and Aluminium Complex. It is designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It is best suited for low to medium speed bearings operating under adverse conditions.

PRODUCT BENEFITS

- NSF: H1 registered (Lubricant with incidental food contact- for use in and around food processing areas)
- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300 °C
- Excellent EP and AW properties for extended wear protection
- Excellent mobility and torque at temperatures down to -40 °C
- Formulated for enhanced resistance to water
- Excellent rust prevention properties
- 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 240 hours
- Temperature Range °C -40 to +165

TYPICAL APPLICATIONS

- Bearings & bushings and linkages on food manufacturing equipment, particularly where high pressure and loads, high temperatures and water spray occur.
- Best suited for low to medium speed bearings operating under adverse conditions.

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PROPERTIES OF MATERIAL

Typical Value

NLGI Grade	ASTM D217	2
Colour	Visual	Tan
Texture	Visual	Smooth
Dropping point, °C	ASTM D2265	318
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes % change	ASTM D217	4.5
Roll stability, 50% water, % change in pen.	ASTM D1831	2.5
Timken OK load, kg	ASTM D2509	27.2
4-ball EP	ASTM D2596	
• LWI, kg		55
• Weld load, kg		500
4-ball wear, mm	ASTM D2266	0.50
Rust test, rating	ASTM D1743	Pass
Copper corrosion, rating	ASTM D4048	1B
Wheel bearing leakage, grams	ASTM D4290	3.5
Bearing life performance, hours	ASTM D3527	260
Water washout at 80 °C, % lost	ASTM D1264	3.5
Oil separation, % loss	ASTM D1742	0.1
Thickener		Over based Calcium Sulfonate
Base oil viscosity @ 40 °C, cSt		400
Base oil viscosity @ 100 °C, cSt		37.5
Temperature Range °C		-40 to 165

GENERAL INFORMATION

FOODGUARD Premier 2 can be applied by hand, or by using a standard grease gun (400g cartridges are available), or via a central lubricating system capable of pumping an NLGI No. 2 grease. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

HEALTH AND SAFETY INFORMATION

All ingredients are FDA listed ingredients under 21 CFR 178.3570. **FOODGUARD Premier 2** is NSF H1 registered and meets the USDA 1998 H1 Guidelines. These products do not contain genetically modified ingredients, and nut oil or derivatives. The product is non-hazardous. A Material Safety Data Sheet is available from the Guardian Food Grade Oils Technical Department upon request or available on our website.

Product Code: 6200

Pack Size: 400gm, 2.5kg, 18kg

The content of this data sheet is given in good faith but without warranty(August 2017).