

# G-2249-2 Synthetic H1 Food Machinery Grease



Nonfood Compounds  
Program Listed H-1  
142050

**G-2249-2 Grease** is a member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulfonates. This technology, developed and patented by Crompton, 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, Aluminum Complex and Polyurea.

## FEATURES AND BENEFITS

### Thermal and Mechanical Stability

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300°C

### Load Carrying & Wear Protection

- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives

### Resistance to Water

- Excellent resistance to water washout

### Corrosion Resistance

- Sulfonates are known and used for their excellent rust prevention properties
- This property is inherent in the thickener
- Will easily outperform all other technologies

### Resistance to Oxidation

- The use of premium antioxidant and a high viscosity PAO ensures excellent thermal and oxidation stability
- Bearing life performance in excess of 240 hours

### Colorant

- Contains no colorant

## APPLICATION AREAS

**G-2249-2 Grease** is a medium viscosity synthetic formulation designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It is registered with the NSF as H1 for Incidental Food Contact. It is best suited for low to medium speed bearings operating under adverse conditions.



## TYPICAL DATA

PROPERTIES	TEST METHOD	G-2249-2
NLGI Grade	ASTM D217	2
Colour	Visual	Tan
Texture	Visual	Smooth
Dropping Point, °F	ASTM D2265	605
Consistency, 60 strokes	ASTM D217	280
Base Oil Viscosity, cSt @ 40°C	ASTM D445	220
Mechanical Stability Worked 100,000 strokes, % change	ASTM D217	4.8
Roll Stability 50% water, % change in pen	ASTM D1831	2.7
Timken OK Load, kg	ASTM D2509	27.2
4-Ball EP: LWI, kgf	ASTM D2596	50
Weld Point, kg		400
4-Ball Wear, mm	ASTM D2266	0.42
Rust Test, rating	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>1000
Cooper Corrosion, rating	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 D942	6.0
Water Washout at 80°C, % removed	ASTM D1264	0.5
Oil Separation, % loss	ASTM D1742	0.1

The values quoted above are typical of normal production. They do not constitute a specification. May be available in other NLGI Grades, to a minimum cone penetration of 260 mm/10 (Grade 2.5). (Performance data may vary between grades).

### HANDLING INFORMATION

**G-2249-2 Grease** may be handled using conventional grease handling and dispensing methods.

### SAFETY INFORMATION

For more extensive information on the safe handling and use of this product, see the Material Safety Data Sheet.

### SHIPPING INFORMATION

Petroleum Lubricating Grease available in a wide range of containers.



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