

**PRODUCT DESCRIPTION:**

Chain Guard® FGG 2 H1 is a 100% fully synthetic formulated Poly-alpha-olefin (PAO) based grease that is designed to be used in a wide range of industrial applications where NSF H1 regulations are enforced. Its “incidental food contact” designation allows this multi-purpose premium grease to be used as a protecting agent on all types of food processing equipment. FGG 2 H1 provides the consumer with excellent anticorrosion and water washout properties while maintaining high load carrying capacities, wide operating temperature ranges, and long lubricating life. Furthermore, under wet and humid conditions, Chain Guard® FGG 2 H1 is able to outperform all other greases offered on the lubricant market. This grease is designed to be used on enclosed gears, slide ways, medium to low speed bearings, antifriction bears, as well as all types of food processing machinery.

**CHARACTERISTICS:**

- NSF H1 registered and meets all the requirements of FDA regulations 21 CFR 178.3570
- Excellent mechanical, thermal and oxidative stability
- Wide operating temperature range
- Serviceable at -40°C (-40°F)
- Continuously useful to 149°C (300°F) and intermittently useful to 204°C (400°F)
- Meets and exceeds NLGI GC/LB bearing rating
- Acceptable for use in Canada



Nonfood Compounds  
Program Listed H1  
(Registration # 144249)

**SPECIFICATIONS & TYPICAL PROPERTIES:**

Properties	Test Method	Specifications
NLGI Grade	-	2
Specific Gravity	ASTM D1298	0.89
Penetration Worked	ASTM D217	265 - 295
Penetration After 10,000 Strokes	-	310-325
Dropping Point	ASTM D2265	299°C (570°F)
Water Wash Out	-	2.5 % Loss
Thickener	-	Complex Calcium Sulfonate
Base Oil	-	PAO
Base Oil Viscosity	-	46 cSt
Rust Protection	ASTM D1743	Pass
Four Ball EP Weld Load	ASTM D2596	500 kg
Load Wear Index	ASTM D2783	62
Timken OK Load	ASTM D2509	27 kg
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter	ASTM D2266	0.40 mm
Oxidation Resistance Bearing Life	ASTM D3527	220 hours
RPVOT, psi after 1000 hrs.	ASTM D952	6.0 psi
Low Temperature Torque Start, limit-<5,000 One Hour Running, limit-<700	ASTM D1478	3500 g-cm 600 g-cm

**APPLICATIONS:**

- |   |                       |
|---|-----------------------|
| All Food Processing Equipment           | Antifriction Bearings |
| High humidity areas (Proofers)          | Slide ways            |
| Industrial Food Machinery               | Enclosed Gears        |
| Low to medium speed industrial bearings |                       |

TDS - CHAIN GUARD® FGG 2 H1 (CG-FGG-2-H1)