

CHAIN GUARD® FGG 2 H1

(SYNTHETIC FOOD GRADE GREASE)



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 Load Wear Index | ASTM D2596 ASTM D2783 | 500 kg 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 RPVOT, psi after 1000 hrs. | ASTM D3527 ASTM D952 | 220 hours 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
High humidity areas (Proofers)
Industrial Food Machinery
Low to medium speed industrial bearings

Antifriction Bearings
Slide ways
Enclosed Gears

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