

JAX HALO-GUARD® FG-PM

NSF H1 HIGH TEMPERATURE, HEAVY DUTY GREASE



FOOD GRADE

PRODUCT DESCRIPTION

JAX Halo-Guard FG-PM is a revolutionary food grade grease manufactured with an advanced, proprietary calcium sulfonate complex thickener and a new high-viscosity, food grade base fluid. It provides exceptional mechanical stability, very high load carrying ability and remarkable rust and corrosion control. In addition, JAX Halo-Guard FG-PM has excellent water resistance and outstanding high temperature performance characteristics, making this a true high performance, food grade grease for pellet mills and other heavily loaded applications.

PRODUCT BENEFITS

- **Exceptional Extreme Pressure (EP) and Antiwear Performance**—The heavy base fluid helps increase film strength and maintain a proper fluid film in heavily loaded, slow moving applications.
- **Protects Against Rust and Corrosion** — The calcium sulfonate thickener system provides excellent natural rust and corrosion protection.
- **Outstanding Mechanical Stability** —JAX Halo-Guard FG-PM shows little change in Cone Penetration (ASTM D 217) or consistency after 100,000 strokes. There is no evidence of shear breakdown in the Roll Stability Test (ASTM D 1831), even in an extended high temperature, modified version to increase the test's severity.
- **Thermal and Oxidative Stability** — Excellent performance in most high temperature applications can be achieved without specialized grease. JAX Halo-Guard FG-PM will outperform nearly all industrial non-food grade greases in high temperature oxidation stability, a remarkable achievement for a food grade, NSF H1 grease!
- **Contains Micronox®** – A groundbreaking advance in food grade technology with exceptional performance in preserving and protecting food grade lubricants from microbial contamination.
- **NSF H1 Registered**
- **Kosher and Parve Certified**

APPLICATIONS

- Heavily loaded food plant machinery application including pellet mills
- Highly loaded greased gear and bearing applications
- Fork trucks, conveyors, material handling equipment, presses, grain presses and packaging machines

COMPATIBILITY

Extensive grease compatibility studies have shown JAX Halo-Guard FG-PM possesses very good compatibility with the vast majority of the most popular food grade greases currently on the market. Please contact your JAX Sales Representative with questions regarding specific applications.



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| TYPICAL PROPERTIES | HALO-GUARD FG-PM | METHOD |
|---------------------------------------|---------------------------|-------------|
| Soap Type | Calcium Sulfonate Complex | |
| NLGI Grade | 2 | |
| Penetration, Unworked | 265-295 | ASTM D 217 |
| Penetration, Worked | 265-295 | ASTM D 217 |
| Dropping Point, °F (°C), min | 572 (300) | ASTM D 2265 |
| Base Fluid: | | |
| Viscosity @ 40°C, cSt | 200-250 | ASTM D 445 |
| Viscosity @ 100°C, cSt | 22-24 | ASTM D 445 |
| Viscosity Index | 100 | ASTM D 2270 |
| Pour Point, °F (°C) | +21 (-6) | ASTM D 97 |
| Flash Point, °F (°C) | 500 (288) | ASTM D 92 |
| Fire Point, °F (°C) | -- | ASTM D 92 |
| Grease Oxidation, psi loss, 1000 hrs | 9.0 | ASTM D 942 |
| Water Washout @ 175°F (79.4°C) % loss | 0.42 | ASTM D 1264 |
| Rust Test | Pass | ASTM D 1743 |
| Oil Separation Test, % | 0.2 | ASTM D 1742 |
| Roll Stability, % Change | 3.1 | ASTM D 1831 |
| Four-Ball Wear, mm | 0.38 | ASTM D 2266 |
| Timken OK Load, lbs. | 60 | ASTM D 2509 |
| Four-Ball Weld, kgf | 500 | ASTM D 2596 |
| Load Wear Index, kgf | 62 | ASTM D 2596 |
| Wheel Bearing Life Test, hrs | 120 | ASTM D 3527 |
| Color | White | |
| Texture | Smooth | |
| NSF Registration No. / Category Code | 136969 / H1 | |

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. SDS information may be found at www.jax.com or by contacting JAX INC.

| CONTAINER SIZE | HALO-GUARD FG-PM |
|-------------------|------------------|
| 2000 Pound Tote | HLGPM-276 |
| 400 Pound Drum | HLGPM-400 |
| 120 Pound Keg | HLGPM-120 |
| 35 Pound Pail | HLGPM-035 |
| 50 Cartridge Case | HLGPM-050 |
| 10 Cartridge Pack | HLGPM-052 |



JAX INC.
 Menomonee Falls, WI • Sacramento, CA • Nashville, TN
 800.782.8850 • 262.781.8850 • www.jax.com

