

JAX POLY-GUARD™ FG-2

NSF H1 FOOD MACHINERY GREASE WITH PTFE



FOOD GRADE

PRODUCT DESCRIPTION

JAX Poly-Guard FG-2 was developed to find a solution to the problems of grease degradation and premature wear in food and beverage industry high speed bearings, can closers and related processing equipment. JAX Poly-Guard FG-2 is compounded with a food grade thickener system and carefully selected additive package containing PTFE, to accomplish an NSF H1 food grade lubricant that has the capabilities of lubricating all plant equipment at a level of high-performance NSF H2 rated greases. JAX Poly-Guard FG-2 meets the requirements of 21 CFR 178.3570 (lubricants with incidental food contact).

PRODUCT BENEFITS

- **Increased High Temperature Performance**—Formulated with a non-melt thickener that returns to its original grease structure when cooled after reaching temperatures approaching its drop point. With proper relubrication intervals, JAX Poly-Guard FG-2 may be used in high temperature applications previously considered too severe for food grade lubricants.
- **Outstanding Antiwear Protection**—Contain carefully selected additives, including PTFE, to provide the highest levels of antiwear performance.
- **Excellent Pumpability and Separation Control**—Superior results in extensive long-term grease pumpability tests and resist thickener separation. This eliminates the potential for plugging divider blocks, injectors, and feed lines in automatic lubrication systems.
- **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

- High speed and high temperature meat, poultry, vegetable, fruit and beverage processing machinery
- Long term lubrication of high speed seaming rolls
- Ceramic seaming roll bearings
- High temperature aseptic processing environments

COMPATIBILITY

The state of the art food grade thickener system in JAX Poly-Guard FG-2 are not compatible with other food grade thickeners currently on the market. For optimum performance, it is recommended that the system be thoroughly purged and, if warranted, cleaned prior to installation. Please contact your JAX Sales Representative with questions regarding specific applications.



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TYPICAL PROPERTIES	POLY-GUARD FG-2	METHOD
Soap Type	Proprietary	
NLGI Grade	2	
Penetration, Unworked	300-320	ASTM D 217
Penetration, Worked	300-320	ASTM D 217
Dropping Point, °F (°C) min	500 (260)	ASTM D 2265
Base Fluid:		
Viscosity Index	100	ASTM D 2270
Base Fluid Viscosity @ 40°C, cSt	110-120	ASTM D 445
Base Fluid Viscosity @ 100°C, cSt	11.6	ASTM D 445
Pour Point, °F (°C)	15 (-9)	ASTM D 97
Flash Point, °F (°C)	510 (266)	ASTM D 92
Fire Point, °F (°C)	540 (282)	ASTM D 92
4-Ball Weld, kg	200	ASTM D 2596
Timken OK Load, lbs.	40	ASTM D 2509
Roll Stability	+/- 10%	ASTM D 1831
Roll Stability, 50/50 Water	-10%	ASTM D 4172
Water Washout @ 175°F (79.4°C)	5%	ASTM D 1264
Water Sprayoff	75%	ASTM D 4049
Rust Test	Pass	ASTM D 1743
Copper Corrosion	1a	ASTM D 4048
Grease Oxidation, psi loss	2	ASTM D 942
Color	Opaque White	
Texture	Smooth, Feathery	
NSF Registration No. / Category Code	122699 / H1	

Recommended ambient temperature range 20°F - 400°F (-7°C - 204°C). For grease applications outside this range, contact JAX

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	POLY-GUARD FG-2
400 Pound Drum	00492-400
120 Pound Keg	00492-120
35 Pound Pail	00492-035
50 Cartridge Case	00492-050



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