ULTRALINE
Premium High Temperature Synthetic Food Grade Grease FGP-227

Description

ULTRALINE FGP-227 is food grade high performance synthetic grease with high resistance to heavy loads and water, based on a blend of PAO and special polymer, with latest food grade additive technology and specially modified inorganic thickener. *It is designed for use in food service and pharmaceutical industry equipment such as preparation, processing and packaging machinery where there is a possibility of incidental contact.* **ULTRALINE FGP-227** *grease is* ***NSF*** *Certified and meets* ***USDA 1998 (H1)*** *guidelines (lubricants with incidental food contact).*

ULTRALINE FGP-227 provides exceptional performance over a wide operating temperature range of -40°C to 160°C (up to 200°C in intermittent-use *situations, with more frequent lubrication)*, making it suitable for both hot and cold applications.

This technology is characterized by exceptional high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion, and in many ways outperforms other premium, high water resistance greases such as calcium and Aluminium Complex. It is designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It is best suited for low to medium speed bearings operating under adverse conditions.

Outstanding Features

- *Superior performance versus other thickeners, particularly in the presence of water*
- *Excellent extreme-pressure capabilities that reduce friction and heat generation and help eliminate metal-to-metal contact. It promotes maximum equipment performance and life.*
- *High dropping point, typically in excess of 280 ºC*
- *Excellent mobility and torque at temperatures down to -40 ºC*
- *Excellent washout resistance helps reduce greasing frequency, saving time spent performing maintenance*
- *Formulated for enhanced resistance to water,* protects equipment from the harmful effects of water, including rust and corrosion.
- *The use of premium antioxidant and a high viscosity PAO ensures excellent thermal and oxidation stability, which extend equipment life; reduce downtime, and lower maintenance costs.*
- *Halal certified*

NSF
Nonfood Compounds
Program Listed H1
Registration No. 149355

Halal Certification Services
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Directions for Use

ULTRALINE FGP-227 *can be applied by hand, or by using a standard grease gun (400g cartridges are available), or via a central lubricating system capable of pumping an NLGI No. 2 grease*
As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.

Application Maintenance

Maintaining a clean work environment is important when equipment greasing is performed. Wipe grease fittings clean prior to injecting grease to prevent contaminant ingestion. Maintain bearing housings one-third to one-half full of grease. Prevent over-greasing as this can result in excessive heat build up. Supplement standard grease maintenance by periodically cleaning and packing housings with fresh grease on an established maintenance schedule.

Characteristics (Typical Figures)

Product Name	Test Methods	**FGP-227**
NLGI Grade	ASTM D217	**2**
Colour	Visual	Off White
Texture	Visual	Smooth
Dropping point, °C	ASTM D2265	>280
Consistency, 60 strokes, mm/10	IP 50	280
4-ball EP - Weld load, kg	IP 239	315
4-ball wear, mm	IP 239	0.70
Water Washout @ *38 ° C*	ASTM D1264	< 2%
Rust test, rating	ASTM D1743	Pass
Copper corrosion, rating	ASTM D4048	1B
Oil separation, % loss	ASTM D1742	2.5
Base oil viscosity @ 40 °C, cSt	ASTM D445	200
Base oil viscosity @ 100 °C, cSt	ASTM D445	23
Temperature Range °C		- 40 to +160

TYPICAL VALUES DO NOT CONSTITUTE AS SPECIFICATIONS.
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