24124-5907
FOODCARE® HIGH TECH POLYMER GREASE
HIGH PERFORMANCE FOOD GRADE SYNTHETIC LUBRICATING GREASE FOR THE FOOD INDUSTRY

DESCRIPTION:
Wherever there is a potential risk of a lubricant contaminating food products, this risk must be managed according to the HACCP method. This can be achieved using FoodCare® High Tech Polymer Grease. This conforms to all the legal requirements. FoodCare® High Tech Polymer Grease may be used in places where incidental contact with food products is possible.

This lubricant meets the following standards:
1. Code of Federal Regulations 21 CFR 178.3570
2. NSF H1
3. For registration, refer to: http://www.nsf.org/usda/psnclistings.asp
4. Compliant with ISO 21469
5. Kosher
6. Halal

FoodCare® High Tech Polymer Grease is a unique, revolutionary high-performance synthetic lubricating grease that sets new standards in the industry.
FoodCare® High Tech Polymer Grease offers significant advantages over greases thickened with conventional soaps. The polypropylene thickener contributes to an increase in lubricant film thickness. This results in longer life of machine parts and extends maintenance intervals. With the inert polymer thickener, the product can be mixed with almost all conventional and Food Grade lubricating greases. FoodCare® High Tech Polymer Grease is strongly adhesive and highly resistant to water, cleaning agents and chemicals.

COMPOSITION:
FoodCare® High Tech Polymer Grease is a revolutionary high performance Food Grade lubricating grease that can be applied in a wide range of applications. FoodCare® High Tech Polymer Grease is formulated from a synthetic (PAO) base oil, a polypropylene thickener, antioxidants, corrosion inhibitors, extreme pressure (EP) and anti-wear (AW) additives.

PROPERTIES:
- Food grade: the product may come into incidental contact with food products;
- High metal affinity resulting in a strong adhesion of the grease;
- Very good mechanical stability;
- Excellent protection against corrosion;
- Inert thickener: can be mixed with almost any conventional grease;
- Highly resistant to (salt) water;
- Highly resistant to chemicals;
- Excellent pumpability in automatic lubrication equipment;
- Suitable for high-load applications;
- Suitable for a wide temperature range.
- Suitable for both slow and fast-running bearings;
- Very good protection against wear;
- Very long lubrication intervals;
- Suitable for both high and low speeds.

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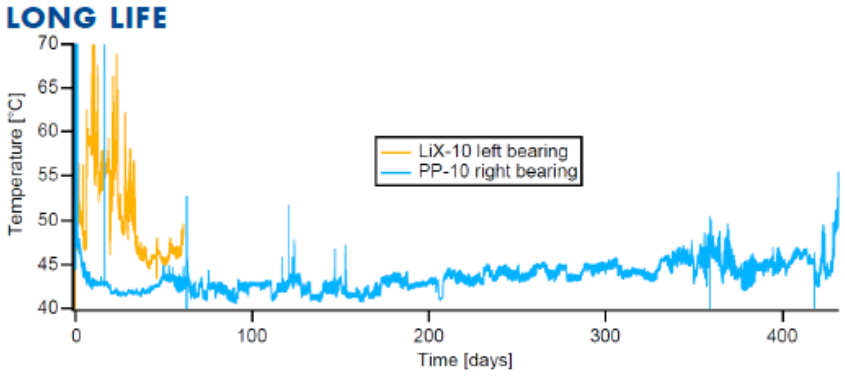
APPLICATIONS:
FoodCare® High Tech Polymer Grease is a unique, revolutionary, high-performance lubricating grease that can be used in a wide range of applications in the food industry, especially where long service life is required. Compared to conventional lithium complex greases, a lifetime extension by up to a factor of 7 is possible.
These characteristics make the grease particularly suitable for different types of bearing applications that are heavily loaded in a wide operating temperature range from -35°C to a maximum temperature of +120°C.

- All rolling bearings, both high-speed and low-speed;
- All rolling bearings in contact with water and cleaning agents;
- High-speed spindle bearings;
- Linear guides;
- All rolling bearings in the food industry;
- Electric motor bearings.
- Universal joints.
- Applications where vibrations occur, such as sieve shakers;
- Suitable for a wide temperature range.
- Suitable in places where temperature fluctuations occur.
- Very long lifespan of the grease.



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SPECIFICATIONS:

		Method
NLGI grade	**2**	ASTM D217
Colour	Beige	
Type of base oil	PAO	
Thickener	Polypropylene	
Worked penetration, 60 strokes	265 - 295	ISO 2137
Base oil viscosity, mm²/s 40 °C	 220	ASTM D7152
Density, 20°C, kg/m³	0.84	IP 530
Dropping point, °C	>+140	IP 396
Operating temperature range, °C	-35 to +120	
4 ball-bearing EP test, weld load, N	2400	DIN 51350:4
Water resistance	0 - 90	DIN 51807:1
Flow pressure, -20°C, mbar	<1400	DIN 51805
NSF H1 registration number	164002	

* The NSF H1 registration certificate is available upon request.

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