

# TECHNICAL PRODUCT INFORMATION

# CRYSTAL BLUE EP2 Food Machinery Grease

## Product Description:

**CRYSTAL BLUE FM GREASE** is a unique synthetic grease, formulated from synthesised hydrocarbon base oils, a proprietary inorganic thickener system and special extreme pressure and adhesive agents. It has no dropping point and is non-melting. It is transparent and is dyed deep blue for easy identification and distinction from other greases. Specially suited for application in both plain and anti-friction bearings subject to heavy or shock-loaded conditions in both normal and high temperature applications. It exhibits exceptional water resistance, maintaining its structural integrity in high water-wash applications. It also provides excellent rust resistance in such areas. With its high viscosity base oil and non-melting characteristic, CRYSTAL BLUE FM offers exceptional protection to bearings in operations as high as 315°C. Its synthetic base oil enables it to offer superior oxidation resistance for long-term operation compared to conventional greases.

With its 40 pound Timken OK Load Test rating, it offers the Food and Beverage industry the only H-1 grease that is a real EP grease for maximum wear protection.

**First Time Use:** Ensure that all personnel responsible for lubrication are aware of the incompatibility of this grease and most other grease types, and the simple procedures to purge bearings

## Typical Uses:

- Both plain and anti-friction bearings in food processing equipment, especially high water-wash or high temperature applications where H-1 authorised grease is required.
- High temperature oven and fan bearings.
- High water-wash bearing applications.
- General purpose grease for all types of plants.
- Extreme pressure characteristics for maximum wear protection of highly loaded or shock loaded bearings.
- Adhesive, tacky grease that stays in place.
- Virtually no oil separation.
- Exceptional oxidation resistance for long service

## Features:

- Exceptional high-temperature bearing performance.
- Excellent resistance to water washout.
- Superior rust protection.
- Excellent for low temperature use down to -40°C.
- High temperature protection – non melt up to 315°C
- Complies with Food and Drug Administration (FDA) Federal regulation 178.3620 and classified under NSF as an **H-1 lubricant** where incidental food contact might occur.
- Certified Kosher and Pareve for Passover.
- Halal certified
- **Asure Quality Certification** 21 CFR/NSF
- **MPI** Approved C 15
- **NSF H-1** certified.

**NOT RECOMMENDED FOR HIGH SPEED BEARINGS OPERATING OVER 3000 RPM**

## Typical Properties:

GRADE, NLGI

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Penetration @ 77°F (worked)	270-290
Dropping Point,	None
Colour	Blue
Appearance	Tacky
Texture	Smooth
Timken OK Load Test lb/kg	40/18
Base Oil Viscosity	
cSt @ 40°C	605
cSt @ 100°C	65
Oil separation, Wt%	3.0