

SUPERIOR FG HEAVY SYNTHETIC EP FOOD MACHINERY GREASE FOR EXTREME CONDITIONS

Superior FG Heavy Synthetic EP contains a FULLY synthetic PAO base oil. It does not contain any mineral oil, including the severely hydrotreated type. PAO synthetic oil is useful over a wide temperature range. It exhibits extraordinary fluidity at very low temperatures combined with strong resistance to evaporation and oxidation at high temperatures. (See Temperature Range figures in data table below).

The thickener used is calcium sulfonate complex type. This provides extreme pressure (EP) resistance without the use of EP additives, which have been proven to contribute to short grease life. The thickener also imparts rust protection, a valuable feature in many food and beverage facilities. It also makes it useful as a rust-prevention coating. Because it thickens when mixed with water, Superior FG Heavy Synthetic EP forms a ring of thicker grease at the seals, thus preventing further entry of water.

The low friction coefficient of Superior FG Heavy Synthetic EP makes it ideal for bearings and other mechanisms running at very high speed.

BENEFITS:

- **WATER RESISTANCE** – Stops water from entering bearings. Prevents rust.
- **EXCELLENT WEAR PROTECTION** – at both high and slow speeds, and where vibrations and shock load occur.
- **LOW TEMPERATURES** – The use of PAO synthetic oil ensures excellent low-temperature mobility.
- **FOOD GRADE** – formulated with components meeting the requirements of the US code of federal regulations #178.3570.

APPLICATIONS:

Inside cold storage rooms, cooling tunnels, rotary freezers. Sealed for life applications. Fan bearings. Oven air movers. Electric motor bearings. Centralized lubrication systems, especially where the line dimensions and the weather make pumping difficult. High-speed bearings.

ASTM #	CHARACTERISTICS		
	NLGI Grade	1	2
D-217	Cone Penetration , Worked 60 strokes Worked 100,000 strokes, % change	310-340 +/- 5	265-295 +/- 5
D-2265	Dropping Point , °F (°C)	535 (280)	570 (300)
D-445	Base Oil Kinematic Viscosity , cst @ 40°C	46	46
D-1264	Water Washout , % Loss	1.5	1.5
	Color	Clear/White	Clear/White
	Base Oil Type	Synthetic PAO	Synthetic PAO
	Thickener Type	Calcium Sulfonate Complex	Calcium Sulfonate Complex
D-2596	Four Ball EP Weld Point , kg	400	400
	Temperature Range	°F -50 to 100	0 to 400
		°C -45 to 38	-18 to 200

The above are typical values. Minor variations which do not affect product performance may be to be expected in normal manufacturing.

