

SUPERIOR FG HEAVY

CALCIUM SULFONATE GREASE FOR FOOD MACHINERY

The benefits of Superior FG Heavy derive mainly from the thickener used. Extreme pressure wear protection is provided by the calcium sulfonate thickener alone, without the use of extreme pressure additives. These are chemically active and shorten the life of grease by degrading the thickener. With longer grease life longer relubrication intervals can be set, saving money on grease and more importantly, labor.

Calcium sulfonate has long been used as a rust preventive in anti-freeze and other aqueous solutions. This characteristic is also present in the grease thickener that bears the same name. Superior FG Heavy will also block water from entering bearings past the seals.

Use at temperatures up to 355°F (180°C)

Superior FG Heavy protects bearings over a wide range of applications including electric motors, seamers, pelletizer mills, bottling operations, abattoirs, etc. It has a high DN speed limit of about 400,000 at 130°F (55°C).

BENEFITS:

- **WATER RESISTANCE** – stops water from entering bearings
- **EXCELLENT WEAR PROTECTION** – at both high and slow speeds with high load.
- **LOW TEMPERATURES** – The use of wax-free base oil ensures excellent low-temperature mobility.
- **FOOD GRADE** – formulated with components meeting the requirements of the US code of federal regulations #178.3570.

APPLICATIONS:

Superior FG Heavy has been designed for use in bushings and anti-friction bearings. Also suitable for open application such as slideways. It can also be used as an anti-rust coating.

ASTM #	CHARACTERISTICS			
	NLGI Grade	00	1	2
D-217	Cone Penetration , Worked 60 strokes Worked 100,000 strokes, % change	400-430 +/- 5	310-340 +/- 5	265-295 +/- 5
D-2265	Dropping Point , °F (°C)	465 (240)	535 (280)	570 (300)
D-445	Kinematic Viscosity , base oil			
	cst @ 40°C	100	100	100
	cst @ 100°C	11.2	11.2	11.2
D-1264	Water Washout , % Loss	--	<1	<1
	Color	Cream	Cream	Cream
D-1742	Oil Separation , %	1.5	0.2	0.2
D-2596	Four Ball EP Weld Point, kg	>315	400	400
D-2266	Four Ball Wear Scar Width, mm	0.60	0.60	0.60
	Temperature Range °F	-25 to 60	-5 to 100	0 to 300
	°C	-32 to 15	-20 to 38	-18 to 150

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