

SUPERIOR BEARING GREASE

Advanced Grease for Wide Temperature Ranges

SUPERIOR BEARING GREASE is a series of greases specifically developed to provide maximum wear protection for bearings that operate under a wide range of operating conditions. It consists of three cold-weather grades and one grade (EP 1.5) for milder ambient conditions. All are rated “extreme pressure”, making them suitable for both high-speed bearings and those that are slower and more heavily loaded.

These greases are based on lithium complex thickener. This, along with special wax-free oils results in grease that is easy to pump over a wide range of temperatures. A special low-temperature polymer improves adhesion and water resistance.

Each of the grades contains solid lubricants. Added to this is a synergistic blend of extreme pressure and anti-wear additives. This assures wear protection under high-pressure conditions.

BENEFITS:

- **HIGH LOAD CAPACITY** – protects from wear under heavy load conditions.
- **WATER RESISTANT** – not easily removed by rain or process water.
- **PUMPABILITY** – a benefit in cold climates.

APPLICATIONS:

Bearings, including electric motor bearings, that operate under a wide variety of conditions, especially extreme cold. Automatic lubrication systems with long delivery lines.

ASTM #	CHARACTERISTICS				
	Grades	Arctic EP 0	Arctic EP 1	EP 1	EP 1.5
D-217	Cone Penetration, (Worked)	355-385	320-350	310-340	285-315
D-2265	Dropping Point, °F (°C)	400 (205)	400 (205)	500 (260)	500 (260)
D-445	Kinematic Viscosity, base oil				
	cst @ 40°C	30.1	29.5	220	220
	cst @ 100°C	4.5	4.4	18.6	18.6
D-2596	Four Ball EP Weld Point, kg	400	400	500	500
D-2266	Four Ball Wear Scar Width, mm	0.67	0.67	0.60	0.60
	Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
	Approximate Usable Temperature Range in Bearings:				
	°F	-50 to 32	-40 to 65	-20 to 80	-10 to 100
	°C	-45 to 0	-40 to 18	-29 to 27	-23 to 38

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

PACKAGING:

Totes	Drums	Kegs	Pails
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