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PRODUCT BULLETIN



MOLY HI-TEMP "B" GREASE

MICRO-PLATE HI-TEMP "B" GREASE is formulated with our exclusive **"LUBRICANT-WITHIN-A-LUBRICANT"** that actually becomes part of frictional surfaces to which it is applied. This unique combination of molybdenum-disulfide (moly) and graphite compounds guarantee a continuous and tenacious protective film on all moving surfaces, regardless of load or severity of working conditions (lubricating solids effective to 750°F).

Compounded with special, space-age additive package to insure high film strength, extreme pressure and anti-wear properties. Effective anti-oxidants insure stability under storage and service conditions. The high dropping point of **MICRO-PLATE HI-TEMP "B" GREASE** permits use up to 500°F, for intermittent periods, without loss of lubricating protection. The special **"LUBRICANT-WITHIN-A-LUBRICANT"** compounding: reduces operating temperatures by increasing load bearing area which reduces unit pressures, which also increases working life of both parts and grease; reduces power consumption and increases equipment efficiency; extends the normal lubrication cycle by two to five times. Three normal lubrication cycles should be run prior to extending the cycle. This allows for displacement of old material and provides time for the **MICRO-PLATE** plating action to become fully effective.

MICRO-PLATE HI-TEMP "B" GREASE is recommended for general industrial applications where specific conditions require a lubricant which will not melt. Used successfully in such applications as furnace door bearings, kiln car wheel bearings, and bearings on shafts extending through furnaces. Also used in ordinary temperature applications with conditions of heavy shock loading, particularly on slow oscillating or reciprocating bearings, roll neck bearings, where high resistance to water washout is needed, for gear type couplings, and for applications designed for extended intervals between relubrication. Many manufacturers of automotive and industrial equipment recommend a grease fortified with molybdenum disulfide.

MICRO-PLATE HI-TEMP "B" GREASE is a high quality, steel-black, extreme pressure grease, formulated with select mineral oil and modified bentonite thickener. It is extremely resistant to softening at high temperatures, has a high load carrying capacity, high resistance to water wash-out, excellent pumpability characteristics, good anti-rust properties, and resist separation in central systems.

TYPICAL CHARACTERISTICS*

Product Code	2947MV
NLGI Grade	2
Soap Thickener	Bentonite
Texture	Smooth
Appearance	Gray/Black
Dropping Point, °F	547
Penetration @ 77°F (D-217)	
Worked 60 Strokes	260
Oxidation Stability, 100 hrs	
PSI Loss (D-942)	4.5
4-Ball EP Weld Load, kg min (D-2596)	250
4-Ball Wear, @ 40 kg mm (D-2266)	0.54
Mineral Oil Viscosity:	
SUS @ 100°F	778
cSt @ 40°C	146
cSt @ 100°C	11.7

*NOTE: Typical Characteristics are current as of the date of publication of this Technical Bulletin. This typical data cannot be guaranteed to be identical to the products produced at any specific time. The data provided in this publication are presented only as a guide to GOA COMPANY lubricant users.



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