



PRODUCT SPECIFICATION DATA SHEET



BOSS EP00 SEMI FLUID GREASE

CUSTOMER BENEFITS:

BOSS EP00 is a lithium soap grease containing an ISO 680 base oil. This base oil provides excellent film thickness for gear lubrication. The product contains both corrosion and oxidation inhibitors for equipment protection and longer service life. A special tackifier is also included to help keep the grease on the surfaces to be lubricated. The product is pumpable at low temperatures because of its soft consistency. BOSS EP00 maintains its semi-fluid consistency when subjected to shearing action in gearboxes.

In service BOSS EP00 provides:

- Heavy base oil for a thick lubricant film on parts
- Rust and corrosion protection
- Non-hardening characteristics
- Tacky consistency that helps resist water washout

PERFORMANCE SPECIFICATIONS:

DROPPING POINT, °F (ASTM D 2265)	380
PENETRATION (ASTM D 217)	
UNWORKED	425
WORKED 60 STROKES	422
MINERAL OIL	
VISCOSITY (ASTM D 445)	
@ 40°C, cSt	70.4
@ 100°C, cSt	7.8
VISCOSITY INDEX	
VISCOSITY (ASTM D2161)	
@ 100°F, SUS	327
@ 210°F, SUS	52
POUR POINT °C (ASTM D 97)	
COLOR	AMBER
PERCENT SOAP	1.4
SOAP TYPE	CONVENTIONAL LITHIUM
RUST PREVENTION (ASTM D 1743)	PASS
EXTREME PRESSURE	
TIKEM (ASTM D 2509), OK LOAD, LB	40
FOUR-BALL (ASTM D 2596)	
WELD POINT, KGF	250
LWI	40

APPLICATIONS:

BOSS EP00 is semi fluid grease, which is used primarily in gear drives calling for a semi fluid grease. These gear drives are usually not well sealed and a conventional gearbox oil would leak out. Gang mowers pulled behind tractors for golf course maintenance is a common application. These mowers transmit the rolling motion of the wheels to the cutting blades via a gear drive system, which is packed with grease. The product is also suitable for gearboxes, which drive stirrers in mixing and reactor vessels. BOSS EP00 should not be used in applications, which require extreme pressure (EP) greases.