

LSA DRILL THREAD COMPOUND P

THICKENER	NLGI #	TEMP RANGE	BASE OIL VISCOSITY	LUBRICATING SOLIDS	WATER RESISTANCE
Complex Soap + Polymers	1.5	-18°C to +200°C	460cSt at 40° C	Yes	Exceptional

LSA DRILL THREAD COMPOUND P is a specifically designed, high performance, anti-seize grease for use in mineral drilling applications i.e. as a thread release compound for drill rods, tubes and flanges that are regularly connected and disconnected. It is also designed to lubricate and increase the service life of drilling tools such as Down-the-Hole (DTH) hammers and Reverse Circulation (RC) drilling, subject to extreme shock & axial loads between contacting surfaces.

LSA DRILL THREAD COMPOUND P forms strong protective films on metal-to-metal contacting surfaces, it demonstrates strong adhesion to surfaces under shock loads, extreme temperatures and wet conditions. Inherent rust & corrosion inhibitors coupled with anti-wear and anti-oxidant additives ensures resilient performance and long-lasting surface protection in the wet. A unique copper – graphite solids combination further boosts its cohesive properties, preventing cold galling, premature wear and seizure between highly loaded contacting surfaces such as highly torqued threaded drill pipe connections.

LSA DRILL THREAD COMPOUND P is designed for all-year-round pumpability, enabling bulk dispensing (from mobile lube truck) or the use of centralised grease lubrication systems.

FEATURES

- Copper/Graphite solids deliver high film strength
- Water resistant and tacky, superior adhesion
- Outstanding mechanical stability – “stays put”
- High drop point – stable in high temp applications
- Excellent protection against rust & corrosion
- Consistency allows pumping in winter climates

BENEFITS

- Easy release properties, boosts productivity
- Extended equipment life, lower drilling costs
- Low usage rate due to extended grease intervals
- Grease pumpability, all year round, enables bulk dispensing options – efficiency gains & lower cost.

APPLICATIONS

All threaded drill rod, tubes and flanges that are constantly connected and disconnected, typical of the on-shore drilling industry. Pneumatic & hydraulic drill tool lubrication i.e. DTH hammers.

TYPICAL CHARACTERISTICS

TEST	VALUE
COLOUR, VISUAL	Grey/Black
BASE OIL VISCOSITY @100°C ASTM D445	>30mm/s ²
DROP POINT, ASTM D2265	277°C
WORKED PENETRATION, ASTM D217	290mm - 315mm
4-BALL WELD LOAD, ASTM D2783	+620kg (min)
TIMKEN OK LOAD, ASTM D2509	+29kg (min)
WATER RESISTANCE DIN-51807	Fully Resistant
RUST TEST, ASTM D1743	Pass
OPERATING TEMPERATURE RANGE	-18°C to +200°C
DRY FILM LUBRICATION TEMPERATURE RANGE	-18°C to +1000°C

PACK SIZES & PRODUCT CODES

1600-19-0001	- 900kg Non-Return IBC
1600-19-0180	- 180kg steel drums
1600-19-0020	- 20kg plastic pails
1600-19-0025	- 2.5kg metal tins
1600-19-0450	- 450g cartridges