SPL. Grease

Product Information and Data Sheet

Hi-Tech
ANTI SEIZE COP 1100
Lead Free, Non Melting Anti Seize Compound

Description

Hi-Tech Anti-Seize Cop 1100 a Lead Free, High Temperature, Non-melting multi-purpose Anti-Seize Compound for Industrial and Mining applications. It is formulated using fine Copper Powder blends of finely dispersed solid lubricants and metals in special carrier. Hitech Anti-Seize Cop 1100 inherent properties allows lubrication to sustain in high temperature and high load zones. It also protects the parts from rust and corrosion in aggressive environments. It is ideal for thread joints in all machinery that are often dismantled for cleaning, maintenance or other work issues.

This grease is suitable for use as an anti-seize up to 1100°C and will protect against seizure due to corrosion and chemicals & reduces friction, wears in high pressure sliding surfaces. It can be used in all thread joints that are part of machinery & construction structures like rack pinions, pipe joints, gaskets, spline shafts, pivot joints, studs, sprockets, bolts etc.

Advantages

- Prevents seizure and galling
- Reduces assembly time.
- Water and chemical resistant
- Enables fast and easy dismantling.
- Very high temperature resistance.

Applications

Industrial and Mining assembly thread connections in Oil Field, Drill Collar, Drill Pipe, Tools, Screws, Nuts-bolts, etc. It can also be used as grease for anti-friction and plain bearings, such as for kiln car lubrication at extreme temperatures and lubrication of Jack up Rig Leg, Racks and Pinions .

Performance Standards: Meets break away torque requirement of **MIL-A-907E**

Technical Properties

Characteristics \ Series	Test Method	Hi-Tech Anti Seize Cop 1100
NLGI Grade	NLGI	2 / 1
Appearance/Structure	Visual	Brownish Metallic
Base & Carrier	-	Semi- Synthetic
Type of Thickener	-	Clay
Flash Point	ASTM D 92	> 40°C
Operating Temperature Range, °C	-	-20 to 1100
Copper Strip Corrosion @ 100°C for 24 hrs.	ASTM D 4048	< 1A
Co-efficient of Friction [μ]	ASTM D 5707	0.06 to 0.08
Operating Torque (1 hrs @ 600°C)	-	~ 8.5 Kg
Four Ball Weld Load	ASTM D 2596	> 830 kg