

DESCRIPTION

550 Anti-Seize Compound is a premium formulation for a wide variety of applications over a wide temperature range.

550 is well suited for most maintenance needs. Its composition offers reliable protection against seizure and heat freeze, eases assembling and dismantling, and saves man hours. It assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out, and it requires no thinning.

550 contains carefully balanced proportions of molybdenum disulfide (MoS_2), graphite, and low friction fillers in a complex base grease that is fortified with effective rust and corrosion inhibitors. Each principal anti-seize and low-friction ingredient has important properties and characteristics that are provided to **550**.

Molybdenum disulfide (MoS_2) has an affinity for ferrous metals, bonding itself to steel working surfaces and offering protection from frictional wear and fret corrosion while sustaining lubrication. Graphite provides extreme pressure characteristics.

This formulation increases performance because it maintains the proper dispersion and suspension of solid ingredients.

- Lead free
- Protects against seizure, heat freeze, galling, rust and corrosion
- Lowers friction; reduces wrench torque
- Provides easy makeup and breakout
- Reduces maintenance costs
- Not affected by contraction, expansion or vibration
- Will not run, drip or settle out

APPLICATIONS

Use **550** on:

Tubular	Threads
Flange Faces	Keyways
Keys	Gaskets
Slides	Guides
Fittings	

Well suited for steel and aluminum. **550** works equally well on stainless steel, cast iron, titanium, copper, brass, alloys, plastic, and gasket materials. **550** is an effective anti-seize for use with LPG and other gasses. For sealing applications, use V-2®. For Delta valves and coker units use 550 EXTREME or 550 EXTREME ALL WEATHER GRADE.

NOTE: Not for use on oxygen lines.

CONFORMS TO:

Military Specification MIL-PRF-907F

SERVICE RATING: -65° F (-54°C) to 2400°F (1316°C)

PRODUCT CHARACTERISTICS

Thickener	Complex
Fluid Type	Petroleum
Color / Appearance	Steel Blue / Smooth Paste
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.26
Density (lb. /gal)	10.5 typical
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1 – 1 ½
Penetration @ 77°F (ASTM D-217)	290 – 315
Nut-Factor*	0.17
1" B7 Studs @ 80,000 psi Contact Stress	
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	620
Load Wear Index	100
Salt Fog Resistance 20% NaCl @ 100°F	+200
Hrs. Free of Corrosion (ASTM B-117)	

*($T = K \times D \times F$) where:

T = torque, K = nut factor, sometimes incorrectly called the friction factor, D = bolt diameter, and F = bolt tension generated during tightening.