



Bringing Quality & Excellence

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TECHNICAL DATA SHEET

550® Non-Metallic Petrochemical-Grade Anti-Seize and Thread Lubricant

DESCRIPTION

550 Anti-Seize compound is a premium formulation with a wide variety of applications over a wide temperature range. Its homogeneous composition offers maximum 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. It requires no thinning. 550 contains carefully balanced proportions of Molybdenum disulphide, graphite, and low friction fillers in an aluminium complex base grease that is fortified with effective rust and corrosion inhibitors. Each anti-seize, low friction ingredient has important properties and desirable characteristics. Molybdenum disulphide has an affinity for ferrous metals, bonds itself to steel working surfaces and offers protection from frictional wear and fretting corrosion while sustaining lubrication. The base grease in 550 contains an extreme pressure additive. This package increases performance by maintaining the proper dispersion and suspension of solid ingredients. It flows evenly over surfaces and into threads. It will not drip, assuring that the surfaces receives maximum long-term protection.

ADVANTAGES

- Conforms to MIL-PRF 907E.
- 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 vibration, expansion, or contraction.
- Will not run, drip or settle out.

APPLICATIONS

HIGH TEMPERATURE: Threaded and flanged connections in internal combustion and jet engines. Use with heat exchangers, furnaces, catalytic crackers and other high temperature applications. Use as a heat-sink compound.
GENERAL: Studs, nuts, bolts, screws, slides, press fits, bushings, flanges and sliding surfaces

It is safe to use 550 on high temperature stainless steel

Use 550 on:

Tubular	Flange	Keyways	Keys
Threads	Faces		
Gaskets	Slides	Guides	Fittings

Particularly suited for steel and aluminium. 550 works equally well on alloys, stainless steel, cast iron, titanium, plastic, copper, brass, packing and gasket materials

PRODUCT CHARACTERISTICS

Service range:	-45°C (-49°F) to 1315°C (2399°F)
Thickener:	Aluminium complex soap
Fluid Type:	Petroleum
Colour/Appearance:	Steel Blue/Smooth Paste
Dropping Point (ASTM D-566):	199°C (390°F)
Specific Gravity:	1,26
Oil Separation:	
Wt. % Loss @ 100°C (212°F):	<5,0
Flash Point (ASTM D-92):	221°C (430°F)
Coefficient of Friction on stainless steel:	0,08
K-factor (1" B7 Studs @ 80.000 psi):	0,17
NLGI Grade:	1 – 1,5
Penetration @ 25°C (77°F) (IP50/ASTM D-217):	285-315
Copper Strip Corrosion (ASTM D-4048):	1A
Shell 4-Ball (ASTM D-2596)	
Weld point, kgf:	>500
Load Wear Index:	100
Salt Fog Resistance (ASTM B-117) 20% NaCl @ 38°C (100°F)	
Hrs. Free of Corrosion:	>200 NB

Not suitable for oxygen service

PACKAGING

Code	Net contents	Container
41123683	500g	Brush Top Can
42774877	1kg	Plastic tub
19684789	5kg	Plastic pail
46214454	15kg	Metal pail
55150347	227kg	Barrel

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship. This limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube (UK) Limited. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages.



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