

550[®] EXTREME

Nonmetallic Anti-Seize Compound



TECHNICAL DATA SHEET

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DESCRIPTION

550[®] Extreme Anti-Seize Compound is an enhanced formulation. The balance of molybdenum disulfide with surface modified synthetic graphite combines to penetrate for a wide variety of applications over a wide temperature range. **550[®] Extreme** is the ideal product for petrochemical plant maintenance needs. Its homogeneous composition offers maximum protections 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.

In addition to molybdenum disulfide (MoS₂), graphite, and low friction fillers **550[®] Extreme** utilizes a new generation complex base grease that is fortified with effective rust and corrosion inhibitors and inherent anti-wear properties. Each principal anti-seize, low friction ingredients has important properties and characteristics.

As an added benefit **550[®] Extreme** when compared to Anti-Seize compounds containing greater than 40% molybdenum disulfide is the coefficient friction of **550[®] Extreme** is less sensitive to temperature. High molybdenum products can have substantial friction function drops when hot torquing bolts between 532° - 832°C (250-400°F).

- Enhanced rust and corrosion resistance
- Lead free
- Protects against seizure, heat-freeze, galling, rut and corrosion
- Lowers friction, reduces wrench torque
- Provides easy makeup and breakout
- Reduces maintenance costs
- Not affected by contraction, expansion, or vibration

APPLICATIONS

Use **550[®] Extreme** on:

Alkey Gaskets	Threads	Flange Faces	Keyways
Gaskets	Slides	Guides	Fittings

Well suited for steel and aluminum. **550[®] Extreme** works equally well on stainless steel, cast iron, titanium, copper, brass, alloys, plastic, and gasket materials. **550[®] Extreme** is an effective anti-seize LPG and other gasses. For sealing applications, use V-2[®]

NOTE: Not for use on oxygen lines.

CERTIFICATIONS:

Military Specification - MIL-PRF-907E

OPERATING RANGE:
-54°C to 1316°C (-65° F to 2400° F)

PRODUCT SPECIFICATIONS

Thickener	Complex
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-566)	450° F (232° C)
Specific Gravity	1.22
Density (kg/liter), Typical	1.22
Oil Separation Wt. % Loss @ 212° F (100° C)	<5.0
Flash Point (ASTM D-92)	>430° F (221° C)
NLGI Grade	1
Penetration @ 77° F (ASTM D-217)	315-335
K- Factor	0.17
1" B7 Studs @ 80,000 psi Contact Stress	
Copper Strip corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596) Typical	
Weld Point, kgf	800
Load Wear Index	100
Salt Fog Resistance	500
20% NaCl @ 100° F	
Hrs. Free of Corrosion (ASTM B-117)	

PACKAGING

Inventory Code	Container Size	Container
47102	½ lb.	Brush Top Can
47104	1 lb.	Brush Top Can



LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.