



PRODUCT DATA SHEET

Quality Products and Service Since 1964

ES-90 ANTI-SEIZE

A high temperature anti-seize lubricant, sealant and thread compound.

PRODUCT DESCRIPTION:

ES-90 anti-seize combines micro-sized copper flake and graphite particles in a non-melt, grease base. ES-90 contains NO lead, nickel or zinc, thus offering an environmentally safer alternative. It does contain a variety of other extreme pressure additives, rust and corrosion inhibitors as well as dry film lubricants combined with non-melt thickeners with our finest petroleum base oil.

ES-90 adheres well to metal surfaces and offers exceptional wear resistance. Therefore it can provide outstanding protection against galling, seizing and corrosion on metal surfaces. Severe temperature, vibration, expansion or contraction does not affect it. ES-90 provides high temp protection to + 1800°F. It is designed to meet or exceed the requirements of Military Specification MIL-PRF-907E (Mil-A-907E).

- Meets US Military Spec: MIL-PRF-907E
- Withstands high temperatures and high torque

The useful temperature range for various applications:

- For anti-seize use, 0°F to + 1800°F
- As a bearing lubricant, 0°F to + 450°F
- As a slide lubricant, 0°F to + 1800°F
- As a protective coating, -297°F to + 1800°F

FOR USE ON:

ES-90 anti-seize should be used on pipe threads, oilfield equipment, nuts, bolts, studs, flanges, gaskets, screws, taps, drills, pump and valve packings and stems, low speed bearings, bushings, keyways and shafts, chains, sprockets, gears, wire rope and cable, exhaust manifolds, boilers, heat exchangers, battery posts or use as a dry film lubricant on heat treated surfaces. Excellent for use on equipment that is subject to high temperatures, salt water spray, highly corrosive environments or equipment that is frequently steam cleaned.

SPECIFICATIONS

Product Type.....	Anti-Seize Compound
Product Color.....	Bronze
Temp Range (Solids).....	-297°F to +1800°F
Temp Range (Base Oil).....	0°F to +500°F
Coefficient Of Friction	0.18
Penetration (ASTM-D-217).....	NLGI 2
Dropping Point (ASTM D-2265).....	None

RESTRICTIONS:

For applications that require the highest level of environmental or personal safety, try the Lub-O-Seal NM-91 Anti-Seize. NM-91 Anti-Seize contains NO metals yet still offers protection to + 2400°F. As with all petroleum base anti-seizes, these products should NOT be used in oxygen service.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

Lub-O-Seal Company, Inc. believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product, but it is your responsibility to thoroughly test the product in your specific application in order to determine its performance, efficacy and safety. Lub-O-Seal specifically disclaims any other expressed or implied warranty, including warranties of merchantability and of fitness for a particular use. Your exclusive remedy and Lub-O-Seal's sole liability for breach of warranty is limited to the refund of the purchase price or the replacement of the product shown to be other as warranted, and Lub-O-Seal expressly disclaims any liability for incidental or consequential damages.

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