

COP-GRAF™

Copper and Graphite Based Anti-Seize Compound

Product Description

Cop-Graf™ is a top-quality anti-seize compound composed of pure copper and graphite in a high-heat-resistant carrier. It is designed to lubricate and protect threaded connections and flanges at temperatures to 1,800°F (982°C) and under extreme load pressure conditions. Cop-Graf has water-resistant and anti-oxidant properties that resist seizing and galling while protecting against rust and corrosion.

Cop-Graf™ does not separate. It is non-dripping, non-hardening, permits easy disassembly and removal of connection even after lengthy service or severe conditions. Stress, strain, and time to disassemble are greatly diminished. Exceeds MIL-PRF-907E specifications.

Features & Benefits

- Protects against rust and corrosion
- Reduces friction
- Speeds assembly and disassembly
- Resists seizing, galling, and cold welding
- Retards galvanic action between dissimilar metals
- Resists salt water corrosion
- Compatible with all types of metals/most plastics
- Non-hardening and non-dripping

Applications include

All Nuts and Bolts, Bushings, Centers, Cam Rollers, Conveyors, Couplings, Dies, Drills, Fittings, Flanges, Gears, Keyways, Motors, Press Fits, Pumps, Shafts, Sleeves, Slides, Spark Plugs, Taps, Valves, Wristpins, and more.

Composition, Typical

Solid Lubricants Copper Graphite	39%
Carrier plus Additive	61%

In general these compounds are composed of fine powders, dispersed in high quality, non-melting carrier that has been fortified with Anti-Oxidants, Corrosion Inhibitors.

Service Recommendations

-300° to 1800°F (-184° to 982°C)

Not suitable for use in oxygen or chlorine systems.

Clean up

Skin Contact: Under normal usage - removal from skin with soap and water.

Equipment: Mineral Spirit type solvents work best.

Typical Properties

Property	Value
Specific Gravity	1.20
Weight per gallon	10.0 LB
Penetration, D217-60T, 100-3000 Strokes	320 - 350
Oil Separation, 30 hr. at 158°F	1%
Flash point, ASTM D-92-85 (IP 36/65)	450°F
Color	Copper
Friction Coefficient	0.10
Torque Coefficient "nut factor"	K Values 0.15 ± 0.02. Testing is required to determine the exact K values & specific performance on any individual fastener using the desired anti-seize compound.
Homogeneity	Will not settle, harden or separate under normal conditions.

Shelf Life

Anti-Seize Compounds have no change in consistency or appearance more than one year in a closed container. Guaranteed replacement one year from date of purchase. Shelf life may be longer depending upon storage location and conditions. Store with container covered in a cool dry place for optimum shelf life.

Cautions

Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested & evaluated for a particular purpose prior to use. See Warranty Statement in our Catalog or on our Website.

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

2oz bt	3oz tube	5oz bt	8oz tube	8oz bt	12.5oz aer	15oz cart
11002	11003	11005	11008	11010	11014	11015

1# can	1# bt	2 1/2# can	8# can	42# pail	130# keg	500# drum
11016	11018	11025	11030	11050	11130	11425

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