

GRAPHITE PETROLATUM



Anti-Seize Compound

TECHNICAL DATA SHEET

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DESCRIPTION

JET-LUBE's **GRAPHITE PETROLATUM** anti-seize is manufactured to conform to the requirements of former Military Specification AMS-2518 (formerly MIL-T-5544C). The intended use of this compound is to prevent seizing during assembly or disassembly of aircraft engine spark plugs and threaded fasteners and fittings at temperatures below 482°C (900°F). **GRAPHITE PETROLATUM** is particularly suitable for use in contact with austenitic stainless steels, titanium, nickel and cobalt alloys, and similar corrosion resistant metals and alloys. This product contains graphite, which may promote corrosion of aluminum, ferrous metals, magnesium, zinc or cadmium alloys or platings and should not be used in contact with these metals.

Care should be taken against the application of too much compound to the components. A thin coating is all that is required to prevent seizing. In the case of blind holes, the application of an excessive amount of the compound may prevent proper seating of the components. Under low temperature conditions this compound hardens and is difficult to apply. It should be kept at room temperature for twenty-four to forty-eight hours prior to use. This product is an electrical conductor. Apply to spark plug threads only. **GRAPHITE PETROLATUM** must not come in contact with spark plug terminals or electrodes.

Due to the high evaporation rate of the petrolatum constituent, this compound is not suitable for use on the threaded or unthreaded components of such equipment as optical instruments where the vapors may adversely affect associated components, eg. lenses, prisms and other optical elements.

APPLICATIONS

Gaskets	Fasteners	Spark Plugs
Slides	Frame Bolts	Valve Stems
Flange Faces		

OPERATING RANGE

-54°C to 482°C (-65°F to 900°F)

CHARACTERISTICS

- Lead Free
- Lowers friction, reduces wrench torque
- Permits reuse of fittings, saves stud, bolt, nut replacement
- Meets MIL-T-5544C
- Water Resistant
- NATO Stock Number 9150-99-910-0528 (500g can)
- National Stock Number 8030-00-044-5024 (1 lb. can)*

* Order under NATO stock number. It contains 45 grams more than GSA/DLA NSN.

PRODUCT SPECIFICATIONS

Thickener	Wax
Fluid Type	Mineral Oil
Color	Black
Melting Point (ASTM D-127)	54°C (130°F)
Specific Gravity, Typical	1.25
Density (kg/liter), Typical	1.25
Additive Type (Federal Type SS-G-659A)	Graphite
Flash Point (ASTM D-92)	249°C (480°F)
Autoignition Point (Calculated)	>260°C (500°F)
NLGI Grade	2 - 3 approx.
Penetration @ 25°C (ASTM D-217)	170 - 260
Copper Strip Corrosion (ASTM D-4048)	1B
K-Factor	0.13

PACKAGING

Inventory Code	Container Size	Container
27203	500 grams	Plug-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.