

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
29 West 39th Street
New York City

AMS 3082A

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COMPOUND Anti-seize (Mica Base)

1. ACKNOWLEDGMENT: A vendor must mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. FORM AND USE: A paste primarily for application to threads of aircraft engine spark plugs to prevent seizure while assembling or disassembling, but may be used on other threaded fittings where applicable.
3. COMPOSITION (by weight):
Oil 55-62%
Mica 38-45%
4. COMPONENTS: (a) Oil.- Shall be a refined petroleum oil without admixture of fatty oils, resins, rubber hydrocarbons, soaps, or other additive compounds not naturally occurring in petroleum. It shall conform to the following requirements when tested according to the latest revision of applicable ASTM Methods:

Color	dark green or amber, not black
Viscosity, Saybolt Universal Seconds at 210°F	190-230
Flash Point (Open Cup)	550°F min
Pour Point	35°F max

(b) Mica.- Shall consist of transparent white, light gray, or light brown flakes uniform in color and appearance, without the admixture of appreciable quantities of foreign material. It shall be finely ground so that 100% will pass a No. 100 sieve and there shall be no appreciable quantity of particles of different size and shape.

5. QUALITY: The compound shall be a smooth homogeneous mixture, free from lumps, cakes, and hard, gritty particles.
6. CONTAINERS: Unless otherwise specified, the compound shall be supplied in one-pound air-tight containers which shall be kept tightly covered when not being used.
7. IDENTIFICATION: Each can or container shall bear a label giving the manufacturer's name or trade mark, this specification number and title, net quantity, and any specific directions for use.
8. APPROVAL: A manufacturer shall not begin to supply a product to this specification until samples have been approved by the purchaser and after approval the ingredients and method of manufacture shall not be changed without his permission.



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9. REJECTIONS: Material not conforming to this specification or modifications specified on the purchase order; is subject to rejection. If samples for verification are desired by the vendor, they must be claimed within three weeks. Rejected material will be held a reasonable time, at vendor's risk, awaiting shipping instructions for the return of same for credit or replacement, as specified. Vendor shall pay all transportation charges.

NOTE. SIMILAR SPECIFICATION: Army-Navy Aeronautical AN-VV-C-566 is listed for information only and shall not be construed as an acceptable alternate unless all requirements of this AMS are met.