

AERONAUTICAL MATERIAL SPECIFICATIONS

AMS 7721

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 485 Lexington Ave., New York 17, N.Y.

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Revised

LEAD ALLOY SHEET AND EXTRUSIONS 6.5Sb - 0.5Sn

1. ACKNOWLEDGMENT: A vendor shall mention this specification number in all quotations and when acknowledging purchase orders.
2. APPLICATION: Primarily for balance weights in airframe control surfaces and control columns.
3. COMPOSITION:

Antimony	6.0	7.0
Tin	0.25	0.75
Bismuth	0.10	max
Arsenic	0.10	max
Other Impurities, total	0.077	max
Lead		remainder

4. CONDITION: As fabricated.
5. SURFACE: As fabricated, unless otherwise specified.
6. TECHNICAL REQUIREMENTS:
 - 6.1 Tensile Properties: The product shall be capable of meeting the following requirements when tested at a rate of 1/4 in. per in. of gage length per minute:

Tensile Strength, psi	3,000 min
Elongation, % in 2 in.	40 min
 - 6.2 Hardness: Shall be Brinell 8 - 13 when measured using a 10 mm ball under a 100 kg load for 30 seconds.
 - 6.3 Density: Shall be 0.390 lb. per cu in. \pm 0.003.
7. QUALITY: Material shall be uniform in quality and condition, clean, sound, and free from foreign materials and from internal and external imperfections detrimental to fabrication or to performance of parts.
8. REPORTS:
 - 8.1 Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a report stating that the product conforms to the chemical composition and technical requirements of this specification. This report shall include the purchase order number, material specification number, size or part number, and quantity.

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