

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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New York City

AMS 4505B

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BRASS SHEET AND STRIP Annealed

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.

2. FORM: Sheet and strip.

3. APPLICATION: Primarily for formed and drawn parts.

4. COMPOSITION:

Copper	68.5 - 71.5
Lead	0.07 max
Iron	0.05 max
Zinc	remainder

5. CONDITION: Unless otherwise specified, sheet and strip shall be supplied cold rolled and fully recrystallized, in soft annealed temper.

6. TECHNICAL REQUIREMENTS: (a) Grain Size.-- Unless otherwise specified, average grain size shall be 0.025 - 0.045 mm as determined by ASTM E2-44T.

(b) Hardness.-- Sheet and strip should have hardness of Rockwell Superficial 30T 25-38 or equivalent, but shall not be rejected on the basis of hardness if the grain size requirement is met.

7. QUALITY: Material shall be uniform in quality and condition, clean, sound, smooth and free from foreign materials and from internal and external defects detrimental to fabrication or to performance of parts. Material in which defects are revealed during fabrication will be subject to rejection.

8. TOLERANCES: Unless otherwise specified, tolerances shall conform to the latest issue of AMS 2222 as applicable. Thickness, width and straightness tolerances shall be as specified below:

- (a) Thickness - Table I.
- (b) Width - Table III.
- (c) Straightness - not required.

9. REPORTS: (a) Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a notarized report showing the results of tests to determine conformance to the requirements of this specification, or stating that the chemical composition and grain size of the product conform to the requirements specified. This report shall include the purchase order number, material specification number, size and quantity.