

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 4507B

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BRASS SHEET AND STRIP

70Cu - 30Zn

Half Hard

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 stampings.

4. COMPOSITION:

Copper	68.50 - 71.50
Lead	0.07 max
Iron	0.05 max
Zinc	remainder

5. CONDITION: Cold rolled, half hard temper.

6. TECHNICAL REQUIREMENTS: material shall conform to the following requirements:

Tensile Strength, psi	56,500 - 66,500
Hardness, Rockwell Superficial	30T 56-68 or equivalent

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.

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:

8.1 Thickness: Table I.

8.2 Width: Table III.

8.3 Straightness: Table IV.

9. REPORTS:

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

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