

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 4507c

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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, strip, and plate.
3. APPLICATION: Primarily for stampings.
4. COMPOSITION:

Copper	68.5 - 71.5
Lead	0.07 max
Iron	0.05 max
Zinc	remainder
5. CONDITION: Cold rolled, half hard temper.
6. TECHNICAL REQUIREMENTS:
 - 6.1 Tensile Properties:

Tensile Strength, psi	57,000 - 67,000
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 - 6.2 Hardness: Material should have hardness of Rockwell Superficial 30T 56-68 or equivalent, but shall not be rejected on the basis of hardness if the tensile property 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.
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 report showing the results of tests to determine conformance to the requirements of this specification or stating that the chemical composition and tensile properties of the product conform to the requirements specified. This report shall include the purchase order number, material specification number, thickness, size, and quantity.

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