

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS4500A

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C O P P E R S H E E T A N D S T R I P

1. ACKNOWLEDGMENT: Vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. COMPOSITION: Sheet and strip shall contain not less than 99.90 percent copper, silver being counted as copper.
3. CONDITION: (a) Unless otherwise specified, sheet and strip shall be supplied cold rolled, fully recrystallized, in a soft bright annealed temper, and shall have hardness not greater than the following:

<u>Nominal Thickness, inch</u>	<u>Hardness, Rockwell</u>
0.015 - 0.019, incl.	15T68
0.020, and over	F65

(b) A specimen cut in any direction shall withstand bending flat on itself without cracking at room temperature.

4. QUALITY: Sheet and strip shall be of uniform quality and condition, clean, sound, smooth and free from defects detrimental to its fabrication. Sheet and strip revealing defects during fabrication shall be subject to rejection.
5. TOLERANCES: Unless otherwise specified tolerances shall conform to AMS 2222 as applicable and/or as specified below:
 - (a) Thickness - Section 3, Table I
 - (b) Width - Section 4 shall not apply unless specified on the purchase order.
6. REPORTS: (a) Unless otherwise specified, the vendor of sheet or strip shall furnish with each shipment three copies of a notarized report showing the results of tests made to determine conformance to this specification or stating that the chemical composition and hardness of the sheet or strip conform to the requirements specified. This report shall include the purchase order number, material specification number, size, and quantity.

(b) Unless otherwise specified, the vendor of finished or semi-finished parts shall furnish with each shipment three copies of a notarized report showing the purchase order number, material specification number, contractor or other direct supplier of sheet or strip, part number, and quantity. When sheet or strip for making parts is supplied by the parts vendor, the vendor shall inspect each lot of sheet or strip to determine conformance to the requirements of this specification, and shall include in the report a certification that the sheet or strip conforms, or shall include copies of the laboratory report showing the results of tests to determine conformance.