

CANCELLED

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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New York City

AMS 4370A

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MAGNESIUM ALLOY SHEET

MLA-0

Annealed

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. APPLICATION: Primarily for low strength parts requiring rigidity, hot formability and good weldability.
3. COMPOSITION:

Manganese	1.2 min
Silicon	0.30 max
Calcium	0.14 max
Copper	0.05 max
Nickel	0.01 max
Total Other Impurities	0.30 max
Magnesium	remainder

4. CONDITION: Annealed.

5. TECHNICAL REQUIREMENTS:

- 5.1 Tensile Properties: Sheet shall conform to the following requirements. Test specimens shall conform to ASTM E8 except from sheet less than 3/4 in. wide, and shall be cut parallel to the direction of rolling. Elongation requirements apply only to sheet 3/4 in. or over in width.

Nominal Thickness Inches	Tensile Strength psi, max	Elongation % in 2 in., min
0.020 - 0.250, incl	38,000	12

6. 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.
7. TOLERANCES: Unless otherwise specified, tolerances shall conform to the latest issue of AMS 2212 as applicable.
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 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. When material is government source inspected, reports will not be required.

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