

AERONAUTICAL MATERIAL SPECIFICATIONS

AMS 4766A

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 485 Lexington Ave., New York 17, N.Y.

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BRAZING ALLOY, SILVER 85Ag - 15Mn

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. FORM: Wire, rod, strip, sheet, granular, or as ordered.
3. APPLICATION: Primarily for joining ferrous metals, where high joint strength up to approximately 800 F is required, or for nonferrous metals except those having base of aluminum or magnesium.
4. COMPOSITION:

Silver	84.0 - 86.0
Manganese	14.0 - 16.0
Other Elements, Total	0.15 max

NOTE. The following approximate values are listed for reference:

Solidus	1760 F
Liquidus	1780 F

5. CONDITION: Unless otherwise specified, material shall be furnished in the following condition:
 - 5.1 Wire and Rod: Cold drawn, annealed, and pickled bright.
 - 5.2 Strip and Sheet: Cold rolled hard.
 - 5.3 Granular: As fabricated.
6. TECHNICAL REQUIREMENTS:
 - 6.1 Color: Shall be white.
7. QUALITY: Material shall be uniform in color, quality, and condition, and free from foreign materials and from imperfections detrimental to its working qualities. Wire, rod, sheet, and strip shall be clean, sound, and bright, and free from slivers, splitting, ragged edges, damaged ends, and other injurious imperfections.
8. SIZES AND TOLERANCES: Unless otherwise specified, material shall be supplied in the following standard sizes and to the tolerances shown:
 - 8.1 Wire and Rod:
 - 8.1.1 Nominal Diameters, Inch: 0.005, 0.007, 0.010, 0.015, 0.020, 0.030, 0.045, 0.062, 0.093, 0.125, 0.175, 0.225, and 0.250.