



AEROSPACE MATERIAL SPECIFICATION

AMS4064™**REV. H**

Issued 1968-05
Reaffirmed 2013-05
Revised 2026-03

Superseding AMS4064G

Aluminum Alloy, Clad Two Sides Sheet,
1.25Mn - 0.12Cu (No. 12-O Brazing Sheet),
Annealed
(Composition similar to UNS A83003)

RATIONALE

AMS4064H results from a Five-Year Review and update of this specification with changes to clarify product temper (see Title and 3.2), update language to prohibit unauthorized exceptions (see 3.3.1.1, 8.3, and 8.5), update Applicable Documents (see Section 2), and relocate Definitions (see 2.4).

1. SCOPE

1.1 Form

This specification covers an aluminum alloy in the form of clad sheet 0.006 to 0.249 inch (0.015 to 6.32 mm), inclusive, in thickness (see 8.6).

1.2 Application

This sheet has been used typically for brazed assemblies that are not subject to heat treatment after joining, but usage is not limited to such applications.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (U.S. and Canada only) or +1 724-776-4970 (outside U.S. and Canada), www.sae.org.

AMS2355 Quality Assurance, Sampling and Testing, Aluminum Alloys and Magnesium Alloy, Wrought Products (Except Forging Stock), and Rolled, Forged, or Flash Welded Rings

AS7766 Terms Used in Aerospace Metals Specifications

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Documents

Standard, visit Sharing Hub

2.2 ASTM Publications

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM B660 Packaging/Packing of Aluminum and Magnesium Products

ASTM B666/B666M Identification Marking of Aluminum and Magnesium Products

2.3 ANSI Publications

Copies of these documents are available online at <https://webstore.ansi.org>.

ANSI H35.2 Dimensional Tolerances for Aluminum Mill Products

ANSI H35.2M Dimensional Tolerances for Aluminum Mill Products (Metric)

2.4 Definitions

Terms used in AMS are defined in AS7766.

3. TECHNICAL REQUIREMENTS

3.1 Composition

Shall conform to the percentages by weight shown in Tables 1 and 2, determined in accordance with AMS2355.

Table 1 - Composition, core (3003)

Element	Min	Max
Silicon	--	0.6
Iron	--	0.7
Copper	0.05	0.20
Manganese	1.0	1.5
Zinc	--	0.10
Other elements, each	--	0.05
Other elements, total	--	0.15
Aluminum	remainder	

Table 2 - Composition, cladding (4343)

Element	Min	Max
Silicon	6.8	8.2
Iron	--	0.8
Copper	--	0.25
Manganese	--	0.10
Zinc	--	0.20
Other elements, each	--	0.05
Other elements, total	--	0.15
Aluminum	remainder	

3.2 Condition

Annealed, -O condition (see 8.3).