

**AEROSPACE
MATERIAL
SPECIFICATION**



AMS 4010C

Issued	JUN 1952
Reaffirmed	APR 1984
Noncurrent	AUG 1994
Cancelled	OCT 2006

Superseding AMS 4010B

Aluminum Alloy Foil
1.25Mn - 0.12Cu (3003-H18)

UNS A93003

RATIONALE

AMS 4010C places this specification in cancelled status.

CANCELLATION NOTICE

This specification has been declared "CANCELLED" by the Aerospace Materials Division, SAE, as of October, 2006. By this action, this document will remain listed in the Numerical Section of the Index of Aerospace Material Specifications indicating that it has been "CANCELLED".

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1. SCOPE:

- 1.1 Form: This specification covers an aluminum alloy in the form of foil,
- 1.2 Application: Primarily for corrugated or expanded honeycomb core material for use in sandwich construction.

2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications (AMS) shall apply. The applicable issue of other documents shall be as specified in AMS 2350, extent specified herein.

- 2.1 SAE Publications: Available from Society of Automotive Engineers, Inc. , 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Materials Specifications:

AMS 2350 - Standards and Test Methods
 AMS 2355 - Quality Assurance Sampling and Testing of Aluminum-Base and Magnesium-Base Alloys, Wrought Products (Except Forgings and Forging Shock) and Flash Welded Rings

- 2.2 ASTM Publications: Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM E252 - Thickness of Thin Foil and Film by Weighing
 ASTM E345 - Tension Testing of Metallic Foil

- 2.3 Government Publications: Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

2.3.1 Military Standards:

MIL-STD-649 - Aluminum and Magnesium Products, Preparation for Shipment and Storage

3. TECHNICAL REQUIREMENTS:

- 3.1 Composition: shall conform to the following percentages by weight, determined in accordance to AMS 2355:

	min	max
Manganese	1.0	1.5
Copper	0.05	0.20
Iron	--	0.7
Silicon	--	0.6
Zinc	--	0.10
Other Impurities, each	--	0.05
Other Impurities, total	--	0.18
Aluminum	remainder	