



AEROSPACE MATERIAL SPECIFICATION	AMS4372™	REV. B
	Issued	2018-03
	Revised	2022-08
Superseding AMS4372A		
Aluminum Alloy, Plate 3.5Cu - 1.0Li - 0.40Mg - 0.35Mn - 0.45Ag - 0.12Zr (2050-T34) Solution Heat Treated and Stress Relieved (Composition similar to UNS A 2050)		

RATIONALE

AMS4372B is the result of a Five-Year Review and update of this specification with changes to update general agreement language to prohibit unauthorized exceptions (8.5), applicable documents (Section 2, 2.4), and to allow the use of the immediate prior specification revision (8.4).

1. SCOPE

1.1 Form

This specification covers an aluminum-lithium alloy in the form of plate 0.500 to 6.500 inches (12.70 to 165.00 mm) in nominal thickness (see 8.6).

1.2 Application

This plate has been used typically for parts where low density is needed in combination with a high level of mechanical properties and very good resistance to stress-corrosion cracking, but usage is not limited to such applications. Material is delivered in T34 temper and artificially aged to obtain T82 temper by the end user.

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 (inside USA and Canada) or +1 724-776-4970 (outside USA), 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

AMS2772 Heat Treatment of Aluminum Alloy Raw Materials

AS7766 Terms Used in Aerospace Metals Specifications

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