



# AEROSPACE MATERIAL SPECIFICATION

AMS-QQ-A-250/8

REV. C

Issued 1997-08  
Revised 1998-09  
Noncurrent 2007-09  
Stabilized 2014-01

Superseding AMS-QQ-A-250/8B

Aluminum Alloy 5052, Plate and Sheet

UNS A95052

## RATIONALE

AMS-QQ-A-250/8C restores this document to active status and stabilizes it.

## STABILIZATION NOTICE

AMS-QQ-A-250/8 has been declared "STABILIZED" by AMS Committee D. This document will no longer be updated and may no longer represent standard industry practice. The last technical update of this document occurred in September 1998. Users of this document should refer any certification issues (e.g. exceptions listed on the certification report) to the cognizant engineering organization for their disposition. CAUTION: In many cases the purchaser is not the cognizant engineering organization (i.e. purchaser may be a sub tier supplier).

AMS Committee D recommends that the following technically equivalent (e.g. properties, fit, form, function) specifications be used for future procurement. This listing does not constitute authority to substitute these specifications for the "STABILIZED" specification.

- AMS4015 Aluminum Alloy, Sheet and Plate 2.5Mg – 0.25Cr Annealed (5052-0)
- AMS4016 Aluminum Alloy, Sheet and Plate 2.5Mg – 0.25Cr (5052-H32) Strain Hardened, Quarter-Hard, and Stabilized
- AMS4017 Aluminum Alloy, Sheet and Plate 2.5Mg – 0.25Cr (5052-H34) Strain-Hardened, Half-Hard, and Stabilized
- ASTM B 209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (5052-H22, -H24, -H26, -H28, -H36, -H38, -H112, -F)

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## NOTICE

This document has been taken directly from Federal Specification QQ-A-250/8F and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards.

The original Federal Specification was adopted as an SAE standard under the provisions of the SAE Technical Standards Board (TSB) Rules and Regulations (TSB 001) pertaining to accelerated adoption of government specifications and standards. TSB rules provide for (a) the publication of portions of unrevised government specifications and standards without consensus voting at the SAE Committee level, (b) the use of the existing government specification or standard format, and (c) the exclusion of any qualified product list (QPL) sections.

The complete requirements for procuring 5052 aluminum alloy plate and sheet described herein shall consist of this document and the latest issue of AMS-QQ-A-250.

## 1. SCOPE AND CLASSIFICATION:

### 1.1 Scope:

This specification covers the specific requirements for 5052 aluminum alloy plate and sheet; the general requirements are covered in AMS-QQ-A-250.

### 1.2 Classification:

1.2.1 Tempers: The plate and sheet are classified in one of the following tempers as specified (See 6.2): O, H22, H24, H26, H28, H32, H34, H36, H38, H112, or F temper. Definitions of these tempers are specified in AMS-QQ-A-250.

1.2.1.1 Material in either of a pair of tempers (H32 and H22, H34 and H24, H36 and H26, or H38 and H28) may be supplied at the option of the supplier, unless one is specifically excluded in the contract or purchase order.