



AEROSPACE MATERIAL SPECIFICATION

AMS4780™**REV. J**

Issued	1962-06
Reaffirmed	2007-01
Revised	2021-06
Stabilized	2026-07

Superseding AMS4780H

Manganese Alloy, Brazing Filler Metal,
66Mn - 16Ni - 16Co - 0.80B,
1770 to 1875 °F (966 to 1024 °C) Solidus-Liquidus Range
(Similar to UNS M26800)

RATIONALE

AMS4780J has been declared "STABILIZED" by SAE AMS Committee F Corrosion and Heat Resistant Alloys. This document will no longer be updated and may no longer represent standard industry practice. This document was stabilized because the document contains mature technology that is not expected to change, and thus no further revisions are anticipated. Previously, this document was revised. The last technical update of this document occurred in June 2021. Users of this document should refer to the cognizant engineering organization for disposition of any issues with reports/certifications to this specification, including exceptions listed on the certification.

NOTE: In many cases, the purchaser may represent a sub-tier supplier and not the cognizant engineering organization.

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1. SCOPE

1.1 Form

This specification covers a manganese alloy in the form of powder, preforms, and a viscous mixture (paste) of the powder in a suitable binder.

1.2 Application

This filler metal has been used typically for joining corrosion and heat resistant steels and alloys where good ductility and moderate heat resistance are required, 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 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

ARP1917 Clarification of Terms Used in Aerospace Metals Specifications