



AEROSPACE MATERIAL SPECIFICATION

AMS5793™**REV. C**

Issued	1998-09
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Superseding AMS5793B

Powder, Plasma Spray
95Ni - 5Al

RATIONALE

AMS5793C 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 This document will no longer be updated and may no longer represent standard industry practice.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 reaffirmed. The last technical update of this document occurred in October 2006. 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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Documents

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1. SCOPE

1.1 Form

This specification covers a nickel-aluminum aggregate in the form of powder.

1.2 Application

This powder has been used typically as an undercoat for plasma spray coatings, as a constituent in plasma spray powders, or for dimensional buildup, but usage is not limited to such applications.

1.3 Classification

Powder supplied to this specification is classified as follows:

Type 1 - Prealloyed powder, produced by atomization of 95% Nickel, 5% Aluminum alloy.

Type 2 - Composite powder, produced by cladding fine aluminum particles to a textured nickel core powder with the use of a suitable binder system.

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.