

[METRIC]
 A-A-52167A
April 10, 1998
 SUPERSEDING
 A-A-52167
 9 August 1991

COMMERCIAL ITEM DESCRIPTION

FIBER METAL, SHEET, NICKEL BASE, UNBACKED

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. SCOPE. This CID covers one type of unbacked, nickel base, fiber metal material.

2. SALIENT CHARACTERISTICS

2.1 Materials. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 3.1).

2.2 Chemical Composition. Chemical composition shall conform to the following percentage by weight.

	<u>MIN</u>	<u>MAX</u>
Carbon	0.05	0.45
Chromium	20.5	23.0
Iron	17.0	20.0
Molybdenum	8.0	10.0
Cobalt	0.50	2.50
Tungsten	0.20	1.00
Boron	-	0.010
Nickel	Remainder	

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000
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AMSC N/A

FSC 9515

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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2.3 Density. Density of the material shall be equivalent in weight of 1.48 to 1.65 grams per cubic centimeter (0.053 to 0.059 pound per cubic inch) or 19 ± 1 percent of base density of 8.23 grams per cubic centimeter (0.294 pound per cubic inch).

2.4 Identification and markings. Identification and markings shall be permanent and legible and shall include, as a minimum, the CID number A-A-52167 and the manufacturer's batch or lot number.

3. REGULATORY REQUIREMENTS

3.1 Recovered material. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections (examinations and tests).

4.2 Product conformance. The products shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5. **PACKAGING**. Preservation, packing, and marking shall be as specified in the contract or order (see 6.2).

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Addresses for obtaining copies of referenced documents.

6.1.1 Government publications. The Code of Federal Regulations (CFR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

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6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this CID.
- b. Issue of the DoDISS to be cited in the solicitation, and if required, the specified issue of individual documents referenced.
- c. Size (length, width, thickness) and quantity of sheets required.
- d. Packaging requirements.

6.3 Cross-reference data. Fiber metal conforming to this CID is interchangeable/substitutable with fiber metal conforming to A-A-52167 and MIL-F-62453(AT).

MILITARY INTERESTS:

Custodian:

Army - AT

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

Army - AT

(Project 9515-1139)