

INCH-POUND

A-A-58054  
5 APRIL 1996

SUPERSEDING  
MIL-A-9962A  
5 April 1977

COMMERCIAL ITEM DESCRIPTION

ABRASIVE MATS, NON-WOVEN, NON-METALLIC

The General Service Administration has authorized the use of this commercial item description (CID) as a replacement for MIL-A-9962 for all federal agencies.

1. **SCOPE.** This commercial item description covers non-woven, non-metallic mats made of nylon fiber. The commercially available mats shall be suitable for cleaning, scouring, finishing, or preparing metal surfaces.

2. **CLASSIFICATION:** The abrasive mats shall conform to the following types, classes, and grade.

Type I- Aluminum oxide (minimum of 94 % AL/ O/3 and a hardness of 9.4 Moh's)

Type II- Natural silicon dioxide (hardness of 6.8 to 7.0 Moh's)

Type III- (minimum of 97% SiC and a hardness of 9.6 Moh's)

Class 1 - Sheets

Class 2 - Rolls

Class 3 - Disks

Grade AAA - Grit size less than 10 microns

Grade AA - Grit size 500

Grade A - Grit size 280 to 400

Grade B - Grit size 180

Grade C - Grit size 100 to 150

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be sent to: WR-ALC/LKJE 460 Second Street, Suite 221, Robbins AFB, GA 31098-1640

AMSC N/A

FSC 5350

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

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**3. SALIENT CHARACTERISTICS:**

3.1 Adhesive. The composition of the adhesive shall be a thermosetting type. The adhesive and the mineral shall be evenly distributed on all surfaces and through the entire depth of the mat so as to obtain essentially the same abrasive characteristics when used on either side of edge.

3.2 Color. The abrasive mats shall be color coded according to mineral type. Type I mats shall be maroon in color; Type II mats shall be tan in color; and Type III mats shall be gray in color.

3.3 Dimensions. Listed below are the most common sizes of sheets, rolls, and disks. However other sizes may be obtained if required.

Form	Dimensions	Tolerances
Class 1, Sheets	9" x 11" 3-2/3" x 9" or 3" x 8"	All sheets +/- 1/16"
Class 2, rolls	1", 1-1/2", or 2" width by 30" inch length	All rolls +/- 1/16" width, + 12 or -0" length
Class 3, disks (center hole must be specified)	5", 7", 8" and 9" outside diameter	All disks +/- 1/16" outside diameter

3.4 Weight. The weight of the abrasive mats expressed in grains/square inch shall be as specified in the following table.

Type	Grade AAA	Grade AA	Grade A	Grade B	Grade C
I	-----	-----	5.5 +/- 0.5	8.1 +/- 0.8	10.0 +/- 1.0
II	-----	-----	-----	4.2 +/- 0.4	-----
III	3.0 +/- 0.3	5.0 +/- 0.5	7.7 +/- 0.8	7.4 +/- 0.7	10.0 +/- 1.0

**4. REGULATORY REQUIREMENTS**

4.1 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).

**5. QUALITY ASSURANCE REQUIREMENTS**

5.1. Contractor Certification: The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provision of the contract.

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5. PACKAGING.

5.1 ~~Preservation, packaging, packing, and marking.~~ Preservation, packing, and marking shall be as specified in the contract or order.

Custodians:

Air Force - 99

Army - MR

Navy - SH

Preparing activity:

Air Force - 84

Agent:

Air Force - 99

(Project 5350-0063)