

A-A-50161
April 1, 1988

COMMERCIAL ITEM DESCRIPTION

CLOTH, DENIM, COTTON

The General Services Administration has authorized the use of this commercial item description in preference to MIL-C-11854.

1. SALIENT CHARACTERISTICS

1.1 General. The cloth shall be made from cotton, drawn and spun into 2-ply or singles yarn. The cloth shall have a dyed warp, in the color specified (see 4.2), and natural filling and shall have a 1 up, 2 down right hand twill weave. The width shall be as specified (see 4.2), and shall be the minimum acceptable width inclusive of the selvage when fly-shuttle looms or shuttleless looms with tuck-in selvage are used. For all other shuttleless looms, the width measurements shall be made between the last warp yarn on each side excluding the protruding fringe(s).

1.2 Physical requirements. The finished cloth shall conform to the requirements listed in table I.

TABLE I. Physical Requirements

<u>Characteristic</u>	<u>Requirement</u>	<u>Test Method 1/</u>
Weight, oz./sq.yd. (min)	5.8	ASTM D 3776 <u>2/</u>
Yarns per inch (min):		
Warp	65	ASTM D 3775 <u>2/</u>
Filling	42	ASTM D 3775 <u>2/</u>
Breaking strength, lbs (min):		
Warp	90	ASTM D 1682 <u>2/</u>
Filling	38	ASTM D 1682 <u>2/</u>

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

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TABLE I. Physical Requirements (cont'd)

<u>Characteristic</u>	<u>Requirement</u>	<u>Test method 1/</u>
Dimensional stability, percent (max):		
Warp	2.0	5550 <u>3/</u>
Filling	2.0	5550 <u>3/</u>
Colorfastness:		
Laundering	Good	5610 <u>3/</u>
Perspiration	Good	5680 <u>3/ 4/</u>
Crocking (min) <u>5/</u>	3.5	5651 <u>3/</u>
Light	Good	5660 <u>3/</u>

1/ The test methods indicated have been found acceptable to determine if the cloth meets the stated requirements. If the Government requires proof that the cloth meets the stated requirements, the test methods indicated shall be used (see 2.1).

2/ Refers to American Society for Testing and Materials (ASTM)

3/ Refers to FED-STD-191 Textile Test Methods

4/ For the color transfer cloth evaluation, only the stain on the cotton fibers of the color transfer cloth shall be evaluated.

5/ AATCC Chromatic Transference Scale Rating.

1.3 Put-up. Unless otherwise specified (see 4.2), the cloth shall be furnished in continuous lengths of not less than 50 yards. The cloth shall be put-up in rolls as specified in 3.1 weighing approximately 125 pounds each.

2. QUALITY ASSURANCE

2.1 Certification. The contractor shall certify that the product offered meets the salient characteristics of the description and conforms to the producer's own drawings, specifications, standards and quality assurance practices, and is the same as the product offered for sale in the commercial marketplace. When specific quality assurance provisions are specified for any commercial characteristic, the contractor shall furnish data resulting from inspection conducted in accordance with the specific quality assurance provisions. 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 provisions of the contract.

3. PACKAGING

3.1 Packaging. Cloth shall be rolled on a convolute or spiral-wound chipboard tube. The tube shall have a smooth finish that will prevent the fibers of the chipboard from transferring to the cloth. Each roll of cloth, put-up as specified, shall be wrapped with 60-pound minimum basis weight kraft paper. The roll shall be wrapped so that the paper encircles the roll at least once with a minimum overlap of 3 inches, and the width of the paper shall be sufficient to fold over and protect the ends of the roll. Gummed paper tape, with a minimum width of 2-1/2 inches shall be applied to the overlap seam the full length of the roll and across each end.

3.2 Packing. Each wrapped roll shall be enclosed in a close-fitting polyethylene film tube with a minimum thickness of 0.004 inches or each wrapped roll shall be enclosed in bias-sewn tubing made from woven polypropylene cloth. The tube shall be secured by heat-sealing, by means of a mechanical tie, or by plastic ties with a lock-end. Alternatively, a maximum of four rolls of kraft-wrapped cloth shall be packed in a snug-fitting double-walled fiberboard container known as a double cover, and shall consist of a body or joined liner and two covers. Corrugated fiberboard with a minimum bursting strength of 500 pounds shall be used. The container shall be strapped with metallic straps not less than 1/2 by 0.020 inch or non-metallic straps not less than 7/16 by 0.030 inch.

3.3 Marking. In addition to any special marking required by the contract or purchase order, rolls and shipping containers shall be marked in accordance with MIL-STD-129. Each roll shall have a piece ticket (identification tag) affixed with a 5-ply minimum cotton string or a plastic tag hanger. The tag shall have a reinforced eyelet and shall be legibly printed, using water insoluble ink, with the following information:

Procurement Agency	Contract or Purchase Order No.
National Stock Number	Finish or Greige Mill
Item Description	Roll Number
Contractor	Lot Number
Width	Piece Number
Fiber Content	Yardage

4. NOTES

4.1 Intended use. The cloth is intended for use in the manufacturing of uniforms for female personnel.

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4.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number and date of this document.
- b. Color of cloth required (see 1.1).
- c. Width of cloth required (see 1.1).
- d. When put-up is other than specified (see 1.3).

4.3 Sources of documents.

4.3.1 Source of government documents. Copies of military and Federal documents are available from:

Naval Publications and Forms Center
 5801 Tabor Avenue
 Philadelphia, PA 19120

4.3.2 Sources of nongovernment association documents.

AATCC Chromatic Transference Scale Rating is available from:

American Association of Textile Chemists and Colorists (AATCC)
 PO Box 12215
 Research Triangle Park, NC 27709-2215.

ASTM D 3776, ASTM D 3775 and ASTM D 1682 are available from:

American Society for Testing and Materials
 1916 Race Street
 Philadelphia, PA 19103

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians:

GSA - FSS

- Army - GL
- Navy - NU
- Air Force - 99

PREPARING ACTIVITY:

Army - GL

Review activities:

Project No. 8305-0177

- Army - MD
- Navy - MC
- Air Force - 82
- DLA - CT