

A-A-50155

March 21, 1988

## COMMERCIAL ITEM DESCRIPTION

## CLOTH, MUSLIN, COTTON

The General Services Administration has authorized the use of this commercial item description in preference to CCC-C-446.

## 1. CLASSIFICATION

1.1 Classification. The muslin cloth shall be of the following types:

- Type I - Natural
- Type II - Bleached white or dyed
- Type III - Bleached white or dyed; preshrunk

## 2. SALIENT CHARACTERISTICS

2.1 Design and material. The cloth shall be single ply, plain weave, and 100 percent cotton. The face side of the cloth shall be identified by stamping the word "FACE" at the end of the piece. The use of dyes and compounds containing elementary sulfur, capable of oxidation to sulfuric acid on types II and III cloth, are prohibited. The width and color of the cloth shall be specified in the contract or purchase order. The cloth shall conform to the physical property requirements of table I when tested in accordance with the cited testing methods.

Table I. Physical property requirements

<u>Characteristic</u>	<u>Type I</u>	<u>Type II</u>	<u>Type III</u>	<u>Test method</u>
Weight, oz/yd <sup>2</sup> (min)	2.4	2.7	2.8	ASTM D 3776
Yarns per inch (min)				ASTM D 3775
Warp	64	68	68	
Filling	54	62	66	
Breaking strength, lbs (min)				ASTM D 1682 Section 16
Warp	37	38	40	
Filling	26	28	30	

FSC 8305

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

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Table I. Physical property requirements (cont'd)

<u>Characteristic</u>	<u>Type I</u>	<u>Type II</u>	<u>Type III</u>	<u>Test method</u>
Shrinkage, percentage (max)				AATCC 135, Method IIB
Warp	9.0	6.0	2.0	
Filling	9.0	6.0	2.0	

2.2 Put-up. The cloth shall be rolled in continuous lengths and each length shall not be less than 40 yards. Each roll shall weigh approximately 125 pounds.

### 3. QUALITY ASSURANCE

3.1 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.

### 4. PACKAGING

4.1 Packaging. Cloth shall be rolled on a convolute or spiral-wound chipboard tube. The tube shall have a smooth finish surface 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 in such a way that the roll shall be wrapped so that the paper shall encircle 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.

4.2 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 less than 7/16 by 0.030 inch.

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4.3 Marking. In addition to any special markings 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 ticket shall have a reinforced eyelet and shall be legibly printed, using water insoluble ink, with the following information:

Procurement agency	Contract or purchase order number
National stock number	Finish or griegie mill
Item description	Roll number
Width	Lot number
Contractor	Piece number
Fiber content	Yardage

## 5 NOTES

5.1 Intended use. The cotton muslin cloth is used to manufacture flags, equipage, and special clothing items for DoD and Federal Government personnel

### 5.2 Ordering data.

- Title, number, and date of this document.
- Type of cloth required (see 1.1).
- Width of cloth required (see 2.1).
- Color of cloth required (see 2.1).

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

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

#### 5.3.1 Sources for nongovernment documents.

ASTM D 3775	Test Method for Fabric Count of Woven Fabric
ASTM D 3776	Test Method for Mass Per Unit Area (Weight) of Woven Fabric
ASTM D 1682	Test Method for Breaking Load and Elongation of Textile Fabrics

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

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AATCC 135

Test Method for Dimensional Changes in Automatic Home  
Laundering of Woven and Knit Fabrics

(Application for copies should be addressed to the American Association of  
Textile Chemists and Colorists, Research Triangle Park, P.O. Box 12215, Durham,  
NC 27709 )

MILITARY INTERESTS:

Custodians

Army - GL  
Navy - NU  
Air Force - 11

Review Activities

Army - MD  
Navy - MC  
Air Force - 82, 99  
DLA - CT

User Activities

Army - IH  
Air Force - 45

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS  
HHS - FDA  
VA - OSS  
JUS - FPI

PREPARING ACTIVITY:

Army - GL

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