

INCH-POUND
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A-A-50129A  
March 7, 1996  
**SUPERSEDING**  
A-A-50129  
September 18, 1987

## COMMERCIAL ITEM DESCRIPTION

### CLOTH, FLANNEL, LIGHTWEIGHT

The General Services Administration has authorized the use of this commercial item description as a replacement for CCC-C-458 for all Federal agencies.

#### 1. SCOPE

1.1 Scope This commercial item description covers the requirements for one type of cotton flannel cloth used to manufacture pajamas, gloves, and interlining for coats and caps

#### 2. SALIENT CHARACTERISTICS

2.1 Description. The cloth shall be manufactured from a standard commercial cotton. It shall have a plain weave and a napped finish on both sides. The color and width of the cloth shall be as specified in the contract or purchase order.

2.2 Physical characteristics. The cloth shall weigh a minimum of 4.0 ounces per square yard when tested in accordance with ASTM D-3776, Option C 1/. The cloth shall have a minimum of 42 ends and 40 picks per inch when tested in accordance with ASTM D-3775 1/. The cloth shall have a minimum breaking strength of 23 pounds in the warp direction and 19 pounds in the filling direction when tested in accordance with ASTM D-1682, Section 16. The cloth shall have a maximum shrinkage rate of 2.0 percent in the warp direction and 2.0 percent in the filling direction when tested in accordance with AATCC 135, Procedure II.B. The cloth shall show colorfastness to laundering, crocking, and perspiration equal to or better than the standard sample when tested according to AATCC 61, Test 3A 2/; AATCC 8 and AATCC 15 3/ respectively. The dyed and finished cloth shall show "good" colorfastness to laundering and perspiration and have a Munsell value for crocking not lower than 8.5.

1/ Samples shall be conditioned as directed in "ASTM D-1776, Practice for Conditioning Textiles for Testing" prior to testing.

Beneficial comments, recommendations, additions, deletions, clarifications, etc and any data which may improve this document should be sent to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FNSC, 2800 South 20th Street, Philadelphia, PA 19145-5099.
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AMSC N/A

FSC 8305

DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited

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2/ The specimen must be dried after each of the three laundering cycles. The soap solution shall contain 0.5 percent by weight, P-D-245, Detergent, Laundry, and Hand Dishwashing (Granular) Type II, in water hardness not over 50 parts per million. The weight of the specimen shall be  $4.0 \pm 0.5$  grams and the rotating time shall be 30 minutes with ten stainless steel balls in each cylinder.

3/ The test for colorfastness for acid and alkaline solution shall apply

2.2.1 Standard sample. The finished cloth shall match the standard sample for shade and appearance, and shall be equal to or better than the standard sample with respect to all Characteristics for which the standard sample is referenced

2.2.2 Matching. All color of the finished cloth shall match the standard sample when viewed under filtered tungsten lamps that approximate artificial daylight and that have a correlated color temperature of  $7500 \pm 200$  K, with illumination of  $100 \pm 20$  foot candles, and shall be a good match to the standard sample under incandescent lamplight at  $2300 \pm 200$  K

2.3 Length and put-up. The cloth shall be furnished in rolls of continuous length. Each length shall be not less than 40 yards and each roll shall weigh not more than 125 pounds or as specified in the contract or purchase order.

2.4 Label/tag. Each roll of cloth shall be labeled, or ticketed for fiber content in accordance with the Textile Fiber Products Identification Act. This label/tag shall be located so that it is completely visible on the roll, causes no damage to the roll, and remains on the roll as cloth lengths are distributed.

3. REGULATORY REQUIREMENTS. 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 Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description and conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

4.2 Market acceptance criteria. The item offered, or a generic equivalent, must have been sold to the commercial market or to the Government for at least two years

4.3 Examination.

4.3.1 Visual examination. Each roll of cloth shall be examined as indicated in 4.3.1.1 through 4.3.1.5.

4.3.1.1 Yard-by-yard examination. Each piece in the sample shall be examined on the face side only. When the total yardage in the piece does not exceed 100 yards, the entire yardage in the piece shall be examined. When the total yardage exceeds 100 yards, only 100 yards shall be examined

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All defects, as defined in Section I of FED-STD-4 (Glossary of Fabric Imperfections), which are clearly noticeable at normal inspection distance (3 feet), shall be scored and assigned demerit points as listed in 4.3.1.2. No linear yard from the shall piece shall be penalized more than 4 points. The sample size shall be 20 pieces selected from 20 containers. The lot shall be unacceptable if the points per 100 square yards of the total yardage examined exceeds the following point values: 28 points for dyed cloth, and 32 points for white cloth.

The lot shall be unacceptable if the points per 100 square yards of two or more individual pieces exceeds the following point values: 42 points for dyed cloth, and 48 points for white cloth. If one piece exceeds the point level, a second sample of 20 pieces shall be examined only for individual piece quality examination. The lot shall be unacceptable if one or more pieces in the second sample exceeds the points level. Point computation for lot quality and individual piece quality shall be as follows:

$$\frac{\text{Total points scored in sample X 3600}}{\text{Contracted width of cloth (inches) X total yards inspected}} = \text{Points per 100 square yards}$$

4.3.1.2 Demerit points. Demerit points shall be assigned as follows:

For defects up to 3 inches in any dimension	-one point
For defects exceeding 3 inches, but not exceeding 6 inches in any dimension	-two points
For defects exceed 6 inches, but not exceeding 9 inches in any dimension	-three points
For defects exceeding 9 inches in any dimension	-four points

NOTE. The following defects, when present, shall be scored four points for each yard in which they occur:

Baggy, ridgy, or wavy cloth; objectionable odor; width not as specified; poor dye penetration, mottled, streaky, cloudy; excessive nepiness

4.3.1.3 Examination for length. During the yard-by-yard examination, each piece in the sample shall be examined for length. Any length found to be less than the minimum specified or more than two yards below the length marked on the ticket shall be considered a defect with respect to length. The lot shall be unacceptable if the total of the actual lengths of pieces in the sample is less than the total of the lengths marked on the tickets.

4.3.1.4 Examination for shade. During the yard-to-yard examination, each piece in the sample shall be examined for shade. Any piece in the sample which is off shade, shaded side to side, side to center, or end to end shall be cause for rejection for the entire lot represented by the sample.

4.3.1.5 Examination for identification of preshrinkage process, compliance with Textile Fiber Products Identification Act and face marking. During the yard-to-yard examination, each piece in the sample shall be examined for the defects listed below. The lot shall be unacceptable if two or more of the following defects are present in the sample: Preshrinkage process identified by name or trademark on cloth or ticket, not labeled or ticketed in accordance with Rules and Regulations under the Textile Fiber Products Identification Act, face stamping missing from either or both ends, face stamping on wrong side.

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5 PACKAGING

5.1 Preservation, packing, and marking The preservation, packing, and marking shall be as specified in the contract or purchase order

6 NOTES

6.1 Source of Government documents Copies of military and Federal documents are available from

Standardization Documents Order Desk  
Bldg. 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

Rules and Regulations Under the Textile  
Fiber Products Identification Act

(Copies may be obtained without charge from the Federal Trade Commission,  
Washington, DC 20580-0001.)

6.2 Source of non-Government documents

**ASTM Test Methods**

(Applications for copies should be addressed to American Society For Testing and  
Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

**AATCC Test Methods**

(Applications for copies should be addressed to American Association of Textile Chemists  
and Colorists (AATCC), P.O. Box 12215, Triangle Park, NC 27709-2215.)

**MILITARY INTERESTS:**

**Custodians:**

Army - GL  
Navy - NU  
Air Force - 99

**CIVIL AGENCY COORDINATING  
ACTIVITY:  
GSA - FSS**

**Review Activities:**

Navy - MC  
Air Force - 45, 32, 82

**PREPARING ACTIVITY  
DLA - CT**

(Project 8305-0513)