

INCH-POUND

A-A-52074

July 2, 1990

## COMMERCIAL ITEM DESCRIPTION

## CLOTH, SATIN, LINING MATERIAL

The General Service Administration has authorized the use of this commercial item description in preference to Military Specification MIL-C-43525.

## 1. CLASSIFICATION

1.1 Classification. This commercial item description covers satin, woven, lining material in the following types as specified (see 5.2)

- Type I - Rayon face and cotton or rayon back
- Type II - Acetate face and rayon back

## 2. SALIENT CHARACTERISTICS

2.1 General description. The cloth shall be a 5 or 8 harness satin weave such that the face warp yarns for the type I shall be multifilament rayon and the type II shall be multifilament acetate. The back filling yarns for the type I shall be either combed cotton spun into singles or multifilament rayon, and the type II shall use multifilament rayon yarns. The width shall be as specified (see 5.2) and shall be the minimum acceptable width inclusive of the selvage when fly-shuttle looms or shuttleless looms with tuck-in selvages are used. For all other shuttleless looms the width measurement shall be made between the last warp yarn on each side excluding the protruding fringe(s). The cloth shall be finished so as to provide a lustrous finished face and a napped back. The color of the finished cloth (face side), shall be as specified (see 5.2), and shall match the standard sample when viewed under filtered tungsten lamps that approximate artificial daylight and that have a correlated color temperature of  $7500 \pm 200K$ , with illumination of  $100 \pm 20$  foot candles, and shall be a good match to the standard sample under incandescent lamplight at  $2300 \pm 200K$ .

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent by letter to: Commander, U.S. Army Natick Research, Development, and Engineering Center, ATTN: STRNC-ES, Natick, MA 01760-5014.

AMSC N/A

FSC 8305

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

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

TABLE I. Physical requirements

<u>Characteristic</u>	<u>Type I</u>	<u>Type II</u>	<u>Test Method 1/</u>
Yarn identification	Rayon and Cotton	Acetate and Rayon	<u>2/</u>
Colorfastness to:			
Gas fading	Good	Good	<u>3/</u>
Perspiration	Good	Good	5680
Wet drycleaning	Good	Good	5622
Dry crocking (min)	3.5 <u>4/</u>	3.5 <u>4/</u>	5651
Wet crocking (min)	2.5 <u>4/</u>	2.5 <u>4/</u>	5651
(Black or dark blue colors)	1.5 <u>4/</u>	1.5 <u>4/</u>	5651
Weight, oz./sq.yd. (min)	8.2	6.5	5041
Yarns per inch (min):			
Warp	190	194	5050
Filling	48	46	5050
Breaking strength, lbs. (min):			
Warp	140	120	5100
Filling	80	75	5100
Thickness, in (min)	0.020	0.015	5030
Shrinkage, percent (max):			
Warp	4.0	4.0	5580
Filling	2.0	2.0	5580

- 1/ The test methods indicated, from FED-STD-191 Textile Test Methods, 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.
- 2/ A certificate of compliance shall be submitted and will be acceptable for the stated requirements.
- 3/ Refers to AATCC Method Number 164 "Colorfastness to Oxides of Nitrogen in the Atmosphere Under High Humidities".
- 4/ Refers to AATCC Chromatic Transference Scale ratings.

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2.3 Length and put-up. For Government procurements only, unless otherwise specified (see 5.2), the cloth shall be furnished in continuous lengths of not less than 50 yards. The cloth shall be put-up full width on rolls as specified in 4.1.

### 3. QUALITY ASSURANCE

3.1 Certification. The contractor shall certify, and maintain substantiating evidence, that the product offered meets the salient characteristics and requirements of this Commercial Item Description, and that the product 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 first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

3.2 Visual examination. Lots of cloth shall be inspected in accordance with MIL-STD-105. The inspection level shall be II and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 6.5. The lot size shall be expressed in units of yards. The sample unit shall be one linear yard. The cloth shall be examined for the following defects: hole, cut, tear, missing end or pick, thick or thin areas, permanent crease, slubs, slugs or gouts, shade bar, streaks, spots, stains or uneven dyeing.

3.3 Length examination. During the yard-by-yard examination, each roll in the sample shall be examined for length. Any length found to be less than the minimum specified or more than 2 yards less than the length marked on the roll ticket shall be considered a length defect. If two or more rolls in the sample are defective with respect to length or if the total of the actual lengths of rolls in the sample is less than the total of lengths marked on the roll tickets, the lot shall be rejected.

3.4 Regulatory requirements. The offeror/contractor is encouraged to use recovered material in accordance with Public Law 94-580 to maximum extent practicable.

### 4. PACKAGING

4.1 Packaging. The 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.

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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 a 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 lock-end. Alternately, a maximum of 325 pounds of 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.

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 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 Number
National Stock Number	Finish or Greige Mill
Item Description	Roll Number
Contractor	Lot Number
Width	Piece Number
Fiber Content	Yardage

## 5. NOTES

5.1 Intended use. The type I cloth is intended for use as a lining in the man's and woman's overcoat. The type II cloth is intended for use only as sleeve lining on the removable lining for the man's and woman's all-weather coat.

5.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number and date of this document.
- b. Type of cloth required (see 1.1).
- c. Width of cloth required (see 2.1).
- d. Color of cloth required (see 2.1).
- e. Length and put-up if other than specified (see 2.3).

## 5.3 Sources of documents.

### 5.3.1 Sources of nongovernment association documents.

AATCC Chromatic Transference Scale Rating and AATCC Test Method Number 164, are available from:

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

5.3.2 Source of government documents Copies of Military and Federal documents are available from:

Standardization Document Order Desk  
Building 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

MILITARY INTERESTS:

Custodians

Army - GL  
Navy - NU  
Air Force - 11

Review activities

Army - MP  
Navy - CG  
Air Force - 82, 99  
DLA - CT

CIVIL AGENCY COORDINATING ACTIVITY:

CSA - FSS

PREPARING ACTIVITY:

Army - GL

Project 8305-0345