

INCH-POUND

A-A-52108

June 28, 1991

COMMERCIAL ITEM DESCRIPTION

CLOTH, INTERLINING, COTTON AND SYNTHETIC, OR SYNTHETIC

The General Services Administration has authorized the use of this commercial item description in preference to Military Specification MIL-C-43920.

Abstract. This commercial item description covers cotton and synthetic or synthetic cloth intended for use as interlining material. The type I cloth is intended for use as waistband interlining for men's trousers. The type II cloth is intended for use as a unidirectional stiffener in garrison and service cap.

1. CLASSIFICATION

1.1 Classification. The cloth shall be of the following types as specified (see 5.1).

Type I - 5.8 oz. per sq. yd.

Type II - 4.5 oz. per sq. yd.

2. SALIENT CHARACTERISTICS

2.1 General description. The warp yarns shall be either 100 percent carded or combed single ply cotton, 100 percent polyester, any combination of polyester and cotton, or from 45 to 100 percent polyester with the remaining percentage rayon. The filling yarns shall be 100 percent nylon or co-polyester monofilament. The cloth shall be plain weave. The width shall be as specified (see 5.1) 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 color of the cloth shall be natural unless otherwise specified (see 5.1).

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: Commander, U.S. Army Natick Research, Development, and Engineering Center, ATTN: STRNC-IRT, Natick, MA 01760-5019.

AMSC N/A

FSC 8305

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

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

TABLE I. Physical requirements

Characteristic	Requirements		Test method 1/
	Type I	Type II	
Weight, oz./sq.yd. (min)	5.8	4.5	5041
Yarns per inch (min):			
Warp	29	30	5050
Filling	22	24	5050
Stiffness inch-pound filling:			
Minimum	0.100	0.060	5202
Maximum	0.210	0.101	5202
Shrinkage percent (max):			
Warp	2.0	2.0	5552

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.

2.3 Length and put-up.

2.3.1 Full width. Unless otherwise specified (see 5.1), the cloth shall be furnished in continuous lengths of not less than 40 yards. The cloth shall be put-up full width on rolls as specified in 4.1.

2.3.2 Narrow width. Unless otherwise specified (see 5.1), the cloth shall be furnished in lengths of 140 yards \pm 10 yards put-up 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.

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3.2 Visual examination. Lots of cloth shall be inspected in accordance with MIL-STD-105. The inspection level shall be I and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 4.0. 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, smash, knots, missing end or pick, embedded crease or wrinkle, slubs, slugs or gout, spots or stains.

3.3 Length examination. During the visual 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.

4.1.1 Full-width cloth. 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 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. Alternately, each roll of cloth shall be enclosed in a polyethylene film tube, secured at both ends by heat sealing or mechanical ties.

4.1.2 Narrow-width cloth. Each roll of cloth shall be packaged in a clear plastic bag conforming to A-A-1668.

4.2 Packing.

4.2.1 Full-width cloth. 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 a 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 (see figures 1 and 2). Corrugated fiberboard with a minimum bursting strength of 500 pounds shall be used. The container shall be strapped with

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metallic straps not less than 1/2 by 0.020 inch or non-metallic straps not less than 7/16 by 0.030 inch.

4.2.2 Narrow-width cloth. Cloth, packaged as specified, shall be stacked in a snug-fitting fiberboard shipping container conforming to style RSC, type CF variety SW or SF, class domestic, grade 275 of PPP-B-636. Each shipping container shall be closed in accordance with the appendix of PPP-B-636. The weight of the contents of each shipping container shall not exceed 55 pounds.

4.3 Palletization, narrow-width cloth. When specified (see 5.2), cloth packed as specified, shall be palletized in accordance with load type 1a of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C and D or film bonding means F or G. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

4.4 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 Acquisition requirements. Acquisition documents must specify the following:

- Title, number, and date of this document.
- Type required (see 1.1).
- Width of cloth required (see 2.1).
- Color required, if other than natural (see 2.1).
- Length and put-up if other than specified (see 2.3).
- Palletization, if required for narrow-width cloth (see 4.3).

5.2 Sources of documents.

5.2.1 Source of Government documents. Copies of Military and Federal documents are available from:

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

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MILITARY INTERESTS

Custodians:

Army - GL
Navy - NU
Air Force - 11

Review activities:

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

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

(Project 8305-0381)

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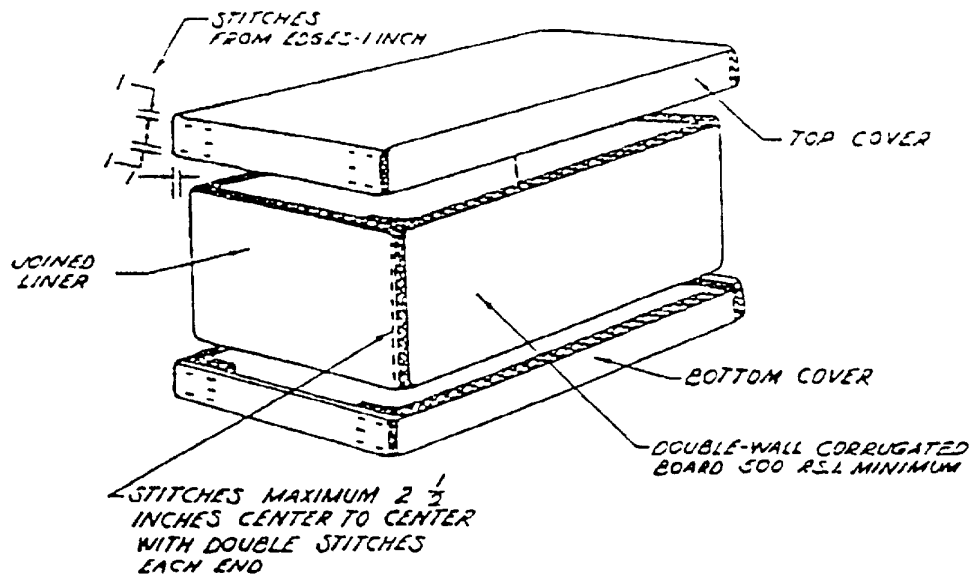


Figure 1. Covers and joined liner of double-wall corrugated fiberboard container.

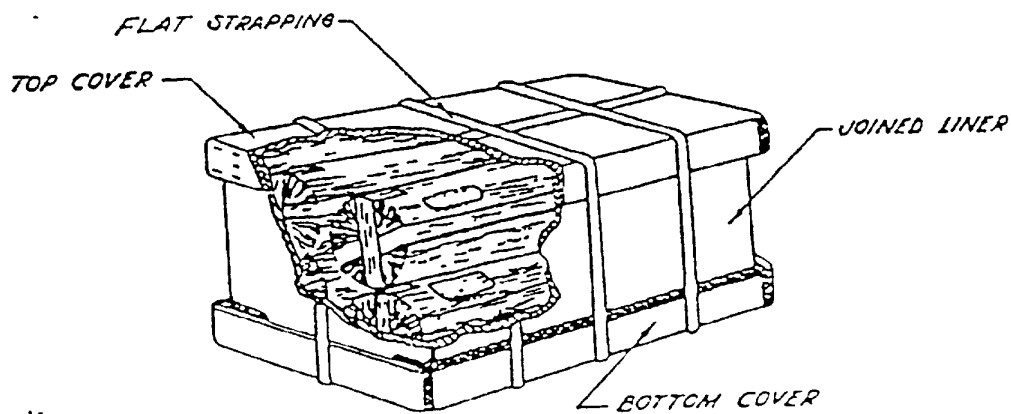


Figure 2. Four rolls packed in a double-wall corrugated fiberboard container.