

INCH-POUND

A-A-52097

March 26, 1991

COMMERCIAL ITEM DESCRIPTION

CLOTH, WIGAN, COTTON

The General Services Administration has authorized the use of this commercial item description in preference to Military Specification MIL-C-16375.

Abstract. This commercial item description covers cotton wigan cloth intended for use as interlining material for armsleeve cuffs, collars, and other various areas of clothing.

1. CLASSIFICATION

1.1 Classification. This commercial item description covers cotton wigan cloth in the following types as specified (see 5.1).

Type I - 2.3 oz. per sq. yd.

Type II - 3.4 oz. per sq. yd.

2. SALIENT CHARACTERISTICS

2.1 General description. The cloth shall be plain weave, one up-one down, woven from cotton which has been carded, drawn and spun into singles yarn. 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 finished cloth shall be natural or dyed as specified (see 5.1) 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 ± 20 foot candles, and shall be a good match to the standard sample under incandescent lamplight at $2300 \pm 200K$. The use of dyes and compounds containing elementary sulfur capable of oxidation to sulfuric acid is prohibited. The cloth shall have a firm, plain calender finish.

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

TABLE I. Physical Requirements

Characteristic	Requirements		Test method 1/
	Type I	Type II	
Material	Cotton	Cotton	1200
Colorfastness to:			
Laundering	Fair	Fair	5610
Perspiration	Good	Good	5680
Wet drycleaning	Good	Good	5622
Labile sulfur content	2/	2/	2020
Weight, oz./sq.yd. (min)	2.3	3.4	5041
Yarns per inch (min):			
Warp	38	46	5050
Filling	32	38	5050
Breaking strength, lbs. (min):			
Warp	30	48	5100
Filling	20	22	5100

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/ The dyed and finished cloth shall contain no more labile sulfur than shown by standard sample. When a standard sample is not available the cloth shall show not more than a "slight" trace of labile sulfur as defined in the test method.

2.3 Length and put-up. Unless otherwise specified (see 5.1), the cloth shall be furnished in continuous lengths each not less than 40 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.

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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, spots or stains and uneven dying.

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 the 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 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 and the tube secured at both ends by heat sealing or mechanical ties.

4.2 Packing. 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 0.20 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:

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Procurement Agency
National Stock Number
Item Description
Contractor
Width
Fiber Content

Contract or Purchase Order Number
Finish or Greige Mill
Roll Number
Lot Number
Piece Number
Yardage

5. NOTES

5.1 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).

5.2 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

MILITARY INTERESTS:

Custodians

Army - GL
Navy - NU
Air Force - 99

Review Activities

Army - MD
DLA - CT

User Activity

Navy - MC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

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