

INCH/POUND
A-A-59515
October 28, 1999

SUPERCEDING
MIL-G-6270C
14 DEC 1983

COMMERCIAL ITEM DESCRIPTION

MITTEN INSERTS, AIRCREW, WOOL, HEAVY, TYPE N-3B

The General Services Administration has authorized the use of this Commercial Item Description in preference to MIL-M-6270.

1. SCOPE This commercial item description covers mitten inserts worn by aircrew personnel under leather mittens (see figure 1).

2. Classification. The mitten shall be made in one size.

3. Salient Characteristics. The mitten shall be manufactured with wool-nylon blend mixed, carded, spun and twisted. The hand will be a plain stitch and the cuff a 1 X 1 rib stitch. The construction shall be seamless.

Beneficial comments, (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP-COCT, 700 Robbins Avenue, Philadelphia, PA 19111-5096.

AMSC N/A

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3.1 Materials.

3.1.2 Yarn. The yarn counts and turns shall be as specified in Table I:

Table I. Yarn counts and turns

	Count of yarn, woolen spun (cut system) (± 1 yarn number)	turns per inch	
		Single (± 1 turn)	Ply (± 0.5 turn)
Hand and thumb	1 end 2/15	10	4
Cuff	1 end 3/15	10	4

3.1.3 Wool. The wool shall be virgin fleece or pulled sheep's wool, or a blend of both, not lower in grade than 56's (United States Standards for Grades of Wool).

3.1.4 Nylon. The nylon shall be 6 denier virgin nylon, crimped and cut to a staple length of not less than 2-3/8 inches nor more than 3-1/8 inches.

3.1.5 Fiber content. The wool/nylon blend shall contain not less than 25% nor more than 32% nylon with the remainder all wool.

3.1.6 Thread. The thread of all sewing shall be polyester

3.1.7 Color. The color of the wool/nylon mitten shall be Sage Green, USAF shade 1525 (FED-STD-595), and the color of the thread shall match the color of the mitten. The color of the dyed mitten shall match the standard sample under natural (north sky) daylight, or artificial daylight having a color temperature of 7500° Kelvin and shall be a good approximation to the standard sample under incandescent lamplight at 2800° kelvin.

3.1.8 Sizes and measurements. The finished mitten shall conform to the measurements below.

Location (inches)	Symbol (figure 1)	Measurement
length	A	12
Width of thumb	B	4-5/8
Cuff length	C	3-1/2
Length of thumb	D	3
Thumb Crotch to top	E	5-3/4
Width of Thumb	F-1	1-7/8
	F-2	1-1/2

Tolerance: Plus or minus 1/4 inch

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3.1.9. Fulling and finishing. The mitten shall be thoroughly scoured, fullled, rinsed clean and, with the exception of the thumb, brushed or napped on the inside after fulling. The finished mittens shall be formed to proper shape and size.

3.2 Labels. A commercial-type label is acceptable, provided that an additional printed cloth label containing the contractor's name, contract number, size and National Stock Number (NSN) is caught on the stitching of the commercial label. The commercial label shall include fiber and laundering information.

3.3 Label/tag. Each item shall be individually bar-coded with a paper tag for personal clothing items. The paper tag shall be standard bleached sulfate having a basis weight of 100 pounds. The paper used for the tags shall have a smooth finish to accept thermal transfer and direct printing. The tags shall have a hole and shall be attached to each item by a fastener, clearly legible and readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN). The bar code type shall be a medium to high code density and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified and so that it causes no damage to the item.

4. REGULATORY REQUIREMENTS.

4.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs

5. QUALITY ASSURANCE PROVISIONS

5.1 Visual Examination. The mitten shall be examined for the defects listed below. The lot size shall be expressed in units of one mitten. The sample unit is one mitten. The inspection level shall be I of ANSI/ASQC Z1.4.

Defects. The mitten shall be examined for the following defects: any hole, cut, tear, color not as specified; any spot or stain (outside); thread ends not removed; label missing, incorrect, or illegible; measurement of item not as specified.

5.2 Dimensional Examination. The finished mitten shall conform to the dimensions specified. Any dimension that is not within the established tolerance shall be classified as a defect.

5.3 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order.

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5.4 Product Conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

6. PACKAGING

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

7. NOTES

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

Source of non-Government standards

ANSI/ASQC Z1.4 AMERICAN NATIONAL STANDARD, Sampling
procedures and tables for inspection by attributes

(Applications for copies should be addressed to American Society for Quality Control, 611 East Winconsin Avenue, Milwaukee, WI 53202)

7.1 Titles of Government documents

Federal Standard 595B - Colors used in Government procurement

United States Standards for Grades of Wool (Wool Standard "56s")

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(US Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Division).

MILITARY INTERESTS:

Custodians

Air Force - 99

CIVIL AGENCY COORDINATING
ACTIVITY:
GSA - FSS

Review Activities

Air Force - 11
Air Force - 45
Air Force - 82

PREPARING ACTIVITY:
DLA - CT

Project 8415 0115

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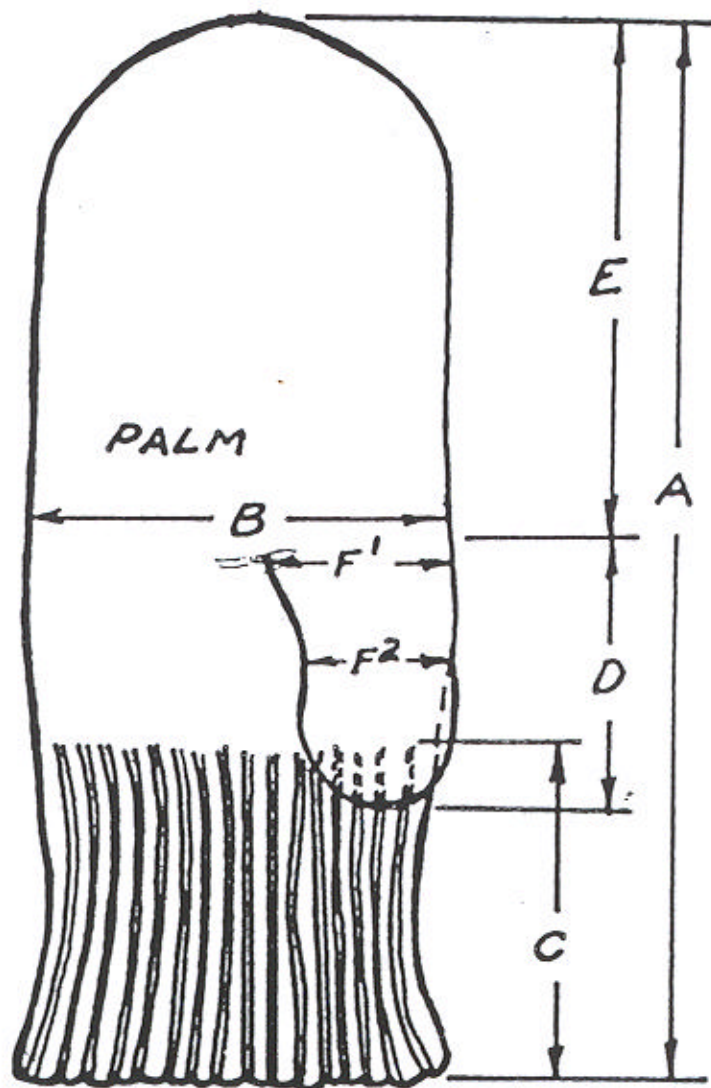


FIGURE 1
TYPE N-3B MITTEN