

MIL-S-17618G
 Amendment-1
13 December 1986

MILITARY SPECIFICATION

SHIRT, MAN'S, (POLYESTER/COTTON, TROPICAL, SHORT SLEEVE)

This Amendment forms a part of Military Specification MIL-S-17618G, dated 17 October 1985, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

2.1.1, SPECIFICATIONS, MILITARY - After "MIL-C-21881" add "MIL-C-24927 - Cloth, Twill, Polyester/Cotton (Durable Press)". After "MIL-T-43548" add "MIL-C-43594 - Cloth, Interlining, Polyester".

STANDARDS, MILITARY - Add "MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes".

PAGE 3

Line 14 - Delete "24 East 38th Street, NY, NY 10016)." and substitute and add the following "343 Lexington Street, NY, NY 10016).

TECHNICAL MANUAL OF THE AMERICAN ASSOCIATION
 OF TEXTILE CHEMISTS AND COLORISTS (AATCC)

Test Method - 88B-84 (Two Photographs) Photographic Comparative Rating of Single and Double Needle Seams

(Applications for copies should be addressed to AATCC, P.O. Box 12215, Research Triangle Park, NC 27709.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained."

AMSC N/A

FSC 8405

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3.3.1 - Delete in its entirety and substitute the following:

"3.3.1 Basic material.

3.3.1.1 Cloth, twill, polyester/cotton. The twill for the class 1 and class 3 shirts shall conform to MIL-C-24927, shade white 3053.

3.3.1.2 Cloth, poplin, polyester and cotton. The poplin for the class 2 shirt shall conform to Type II, class 1 of MIL-C-21881, shade khaki 3729."

3.3.2, line 1 - After "flaps" insert "of the class 2 shirts".

PAGE 4

Add new paragraph:

"3.3.2.2 Woven polyester interlining. The class 1 and class 3 shirts shall have the collar and pocket flaps interlined with a natural or white woven polyester fabric conforming to MIL-C-43594."

PAGE 5

3.3.6, line 9 - Delete the laundering instructions and insert the following:

"LAUNDERING INSTRUCTIONS

Machine wash warm, permanent press cycle
Tumble dry, medium heat, remove promptly
DO NOT USE CHLORINE BLEACH
Touch up with warm iron if needed

or

Follow NAVEDTRA Manual 414-01-45-81, Formula II".

3.4.1, line 1 - Delete "poplin" and substitute "twill".

line 3 - Delete "fused" and substitute "interlined".

3.4.2, line 2 - Delete the period and continue the sentence with "and the collar and pocket flaps shall be fused."

PAGE 6

3.5.1, line 6 - Under Materials delete "Cloth, poplin, polyester and cotton" and substitute "Basic material".

line 15 - Delete "Fusible".

line 17 - Below "Finished pocket shaper" add "Finished pocket flap shaper -".

3.6, line 7 - Add the following sentence "When stitch type 515, 516 or 519 is used, the finished seam allowance shall measure 3/8 inch and the guide and knives on the machine shall be set to trim only the raveled ends of the fabric."

PAGE 7

Add the following new paragraph:

"3.8 End item seam appearance. The class 1 and 3 shirts shall have a minimum seam and stitching appearance rating of 3.0 after 5 washings. The following stitched areas shall be evaluated: collar, pockets, side seams, shoulder, armhole, and sleeve hem. (The bottom hem and label stitching shall not be included in the seam and stitching appearance rating.) All ratings shall apply to testing as specified in 4.4.1.3."

PAGE 8

Table I - As applicable for operations 1 through 18, delete "12-14" stitches per inch and substitute "10-12".

PAGE 9

Operation 5a, line 1 - Delete "fusible interlining" and substitute "interlining (class 1 & 3-sewn in; class 2-fused)".

line 3 - After "interlining" insert "(class 2)".

5b, line 1 - Delete "the two" and substitute "all".

PAGE 10

Operation 5g, line 4 - Add the following sentence "The finished flap shall be checked for size and uniformity against the finished pocket flap shaper."

PAGE 13

Operation 9a, line 1 - Delete "fusible interlining" and substitute "interlining (class 1 & 3-sewn in; class 2-fused)".

line 2 - Delete "press" and substitute "for class 2 shirt, fuse plies".

9c, line 2 - After "back," insert "through all plies,".

PAGE 14

Operation 10f, line 1 - At the beginning of sentence insert "As an alternate, the".

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Operation 13a, line 1 - After "shirt" insert "(class 2)".

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13b - After 13b, add the following new operation

"c. Overedge the entire bottom edge of the class 1 and 3 shirts, with the side seams folded towards the back and facings turned to finished position.

502, 503 or 504 EFd-1 10-12 70 70".

PAGE 16

Operation 15, line 7 - Delete "5/8" and substitute "7/8".

Operation 16, line 4 - Delete "5/8" and substitute "7/8".

PAGE 18

4.1.1 - After 4.1.1 add the following new paragraph

"4.1.2 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material."

PAGE 20

Add the following new paragraphs after paragraph 4.4.1.2.4.1:

"4.4.1.3 End item inspection. The shirts shall be tested as specified in Table IV. All test reports shall contain the individual values utilized in expressing the final results. All requirements shall be applicable to the sample unit. The sample size shall be as specified in 4.4.1.3.1 and the sample unit shall be one finished shirt. One shirt shall be used to evaluate the appearance requirements. The lot shall be unacceptable if one or more of the units fail to meet the requirement specified.

Table IV - End item testing

Characteristic	Requirement	Test method
Seam appearance rating	3.8	4.4.1.4.1

4.4.1.3.1 Sampling for testing. Unless otherwise specified in subsidiary specifications, the sampling shall be as specified below:

<u>Lot size</u>	<u>Sample size (sample unit)</u>
800 or less	2
801 to 22,000 inclusive	3
22,001 and over	5

4.4.1.4 Methods of inspection.

4.4.1.4.1 Laundering and conditioning. The sample shirts shall be subjected to 5 complete cycles. Laundering shall be in accordance with AATCC Test Method 88B, Wash Condition IV and Dry Procedure C (tumble). During the conditioning period, the shirts shall be placed on wooden or plastic hangers and shall be buttoned at the front.

4.4.1.4.2 Evaluation procedure. After the test shirts have been laundered and conditioned as specified in 4.4.1.4.1, the shirts shall be evaluated by three trained observers. The trained observers, independent of the other observers, shall evaluate each of the shirts as follows: The shirt shall be placed on a clothes hanger with the buttons fastened and the hanger suspended on the viewing board in such a manner that the shirt lies flat on the surface of the board. The Method 88B photographic standards for single needle stitching shall be placed on the viewing board. The observer shall stand directly in front of, but four feet from, the test shirt. The observer shall then compare the test shirt in each of the areas specified in 3.8 to the photographic standards and shall assign a rating value to each of the specified areas. The rating value assigned to an area by the observer shall be the numerical value of the photographic standard that most nearly matches the area. Ratings falling between the numerical values of the photographic standards may be rated 2.5, 3.5, or 4.5. Each rating value assigned by each of the observers shall be recorded. The average rating values assigned by each observer to the same area shall be the rating value for the area."

4.4.2, line 2 - Delete the period and add "and in accordance with the list below:

Defect - Pocket(s)	D Point Value
a. Not uniform in size or shape- any measurement varying from pocket to pocket or pocket to template by:	
1. More than 1/4 inch	3
2. 1/8 inch up to 1/4 inch inclusive	2
 Pocket Flap(s)	
a. Not uniform in size or shape- any measurement varying from flap to flap or flap to template by:	
1. More than 1/4 inch	3
2. 1/8 inch up to 1/4 inch inclusive	2"

4.4.3, line 2 - Insert a period after "MIL-STD-1492" and delete remaining lines of paragraph.

4.5, sentence 5 - Delete the period at the end of sentence and add "as specified in MIL-STD-105."

PAGE 21

5.2.1, line 3 - After "weather-resistant," add "variety DW,".

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After sentence 1 add " The fiberboard for the box liner shall conform to type CF, class domestic MIL-B-17757."

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5.2.2, line 3 - After "grade 275," add "variety DW,".

After sentence 1 add "The fiberboard for the box liner shall conform to type CF, class domestic of MIL-B-17757."

5.3.2, line 4 - Delete "SIZES" and substitute "NSN'S".

line 5 - Delete "sizes" and substitute "national stock numbers".

5.4 - Delete in its entirety and substitute the following:

"5.4 Palletization. When specified (see 6.2), shirts packed as specified shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C, K, and L or O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

The pallet shall be 4-way, Type IV; Type V, class 1, size 2; or Type VIII, fabricated from wood groups I, II, III or IV, Grade A of NN-P-71, or 4-way, Style 1, Size A, Type I, Class 1, fabricated from wood groups specified, of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer."

6.5 - After paragraph 6.5, add the following new paragraph

"6.6 Subject term (key word) listing:

Collar stay
Interlining, fusible
Poplin, polyester/cotton
Twill, polyester/cotton
Seam appearance rating
Shirt, man's, short sleeve

Custodian:
Navy - NU

Review Activity:
DLA-CT

Preparing Activity:
Navy - NU

Project No: 8405-N011