

MIL-H-24936

1 July 1987

MILITARY SPECIFICATION

HOOD, ANTI-FLASH, FLAME RESISTANT

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers the requirements for one type and size knitted 80% PFR rayon/20% PBI hood.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

NN-P-71	- Pallet, Material Handling, Wood Stringer, Construction, 2 Way and 4 Way (Partial)
DDD-L-20	- Label; for Clothing, Equipage, and Tentage (General Use)
PPP-B-636	- Boxes, Shipping, Fiberboard

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, 21 Strathmore Road, Natick, MA 01760-2490 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8415

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

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- MIL-P-15011 - Pallet, Material Handling, Wood, Post Construction, 4 Way Entry
- MIL-T-83193 - Thread, Aramid, Spun Staple

STANDARDS

FEDERAL

- FED-STD-191 - Textile Test Methods
- FED-STD-751 - Stitches, Seams, and Stitchings

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking For Shipment and Storage
- MIL-STD-147 - Palletized Unit Loads

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein. Unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

LAWS AND REGULATIONS

US POSTAL SERVICE MANUAL

(Copies of the manual may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20420).

2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification

(Applications for copies should be addressed to the American Trucking Association, ATTN: Traffic Department, 1616 P Street, N.W., Washington, DC 20036).

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UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification

(Applications for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, Illinois 60606).

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.

3. REQUIREMENTS

3.1 Guide sample. Samples, when furnished, are solely for guidance and information to the contractor (see 6.3). Variations from this specification may appear in the sample in which case this specification shall govern.

3.2 First article. When specified, the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.3 and 6.2).

3.3 Material.

3.3.1 Basic material. The basic material used in the hood shall be a 1X1 rib knit of 80% PFR rayon and 20% PBI blended yarn, when tested as specified in 4.4.1.

3.3.1.1 Rayon. The PFR rayon is manufactured by metering water-insoluble [poly (n-propoxyphosphazene)] into viscose solution from which rayon fibers are spun. The fibers contain the flame retardant which is highly dispersed in a matrix of cellulose. The fiber shall be a blend of 50 percent 1-1/2 denier, 2 inch staple, and 50 percent 3 denier, 2 inch staple, when tested as specified in 4.4.1.

3.3.1.2 PBI. The fiber shall be 1-1/2 denier, 2 inch staple, when tested as specified in 4.4.1.

3.3.1.3 Color. The color shall be natural.

3.3.1.4 Nonfibrous material. The cloth shall contain no more than 1.0 percent starch and protein content including chloroform-soluble and water-soluble material when tested as specified in 4.4.1.

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3.3.1.5 Physical requirements. The finished cloth shall conform to the physical requirements shown in Table I when tested as specified in 4.4.1.

TABLE I. Physical requirements

Characteristics	Minimum	Maximum
Weight, oz/yd ² (g/m ²)	5.7(193.2)	6.5 (220.4)
Thickness, inches (2.54 cm)	0.035	0.05
Wales/Courses per inch (2.54 cm)		
Wales	21	-
Courses	28	-
Burst strength, lbs (N)	50 (222.5)	-
Flame resistance,		
Initially and after 25 launderings:		
After flame time, seconds	-	2
After glow time, seconds	-	5
Char length, inches (2.54 cm)	-	5

3.3.2 Thread. The thread for seaming and stitching the hood shall be aramid, spun staple, ticket no. 45, 3-ply, conforming to MIL-T-83193. The color of the thread shall be natural.

3.3.3 Cotton elastic webbing. The unbleached elastic cotton webbing shall conform to the requirements in Table II (see 6.4), when tested as specified in 4.4.1.

TABLE II. Webbing properties

Width (inches)	Thickness (inches)	Ounces per linear yard	Elongation (inches)
1/4 ± 1/32	.016-.046	0.083 (+ 0.02)	3.5 (+ 0.5)

3.3.4 Binding. The binding for the face opening of the hood and the bottom edge of the yoke shall be basic material as specified in 3.3.1. The binding shall be cut 1-1/4 inch wide, at a 5 degree crosscut pattern in continuous roll lengths. The finished width of the binding shall be 1/2 (+ 1/16) inch.

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3.3.5 Label. Each finished hood shall have a combination identification and warning label conforming to type V, class 15, of DDD-L-20. The cloth label shall be cotton and the adhesive coating is not required. The printing shall show fastness to laundering, and shall bear the following inscription:

HOOD, ANTIFLASH, FLAME RESISTANT
CONTRACT NO: DLA-100-00-0-0000 (Example)
FIBER CONTENT: 80% PFR RAYON/20% PBI
NAME AND ADDRESS OF CONTRACTOR:
STOCK NO: 8415-00-000-0000 (EXAMPLE)

LAUNDERING INSTRUCTIONS

Machine wash warm
Tumble dry medium heat

or

Follow NAVEDTRA Manual 414-01-45-81,
Formula III

WARNING

DO NOT KEEP IN DIRECT CONTACT WITH FLAME.
KEEP GARMENT CLEAN, SOILING WILL REDUCE
PROTECTIVE QUALITIES. FAILURE TO COMPLY WITH
INSTRUCTIONS MAY RESULT IN SERIOUS INJURY.

DO NOT REMOVE THIS LABEL

3.4 Design. The hood shall be shoulder length, round at the top and flared at the bottom. The circular face opening shall have bias binding with enclosed elastic webbing. The top portion of the hood shall be two plies of the basic material and the yoke shall be single ply of the basic material.

3.4.1 Figure. Figure 1 is furnished for information purposes only. When inconsistencies exist between the specification and the figure, the specification shall govern.

3.5 Patterns. Standard patterns to be used to cut the working patterns will be furnished by the Government (see 6.3). The working patterns shall be identical to the Government patterns. Neither the Government patterns nor the working patterns shall be altered in any way.

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3.5.1 List of pattern parts. The component parts of the hood shall be cut from the material as specified, and in accordance with the number of parts required for the manufacturing process as follows:

Materials	Nomenclature of pattern parts	Cut parts
Cloth, knitted	Hood top	2
80% PFR rayon/20% PBI	Yoke	2

3.6 Construction.

3.6.1 Stitches, seams, and stitchings. Stitch, seam, and stitching types specified in Table III shall conform to FED-STD-751. Whenever two or more methods for seam or stitch types are given for the same part of the operation, any one may be used. The looper thread (underthread) of all stitch types shall be on the inside of the hood. The stitching on the binding will be gauged so that (1) the distance between the rows of stitching is $1/4 (+ 1/16)$ inch, and (2) the distance from the folded edges to the stitching is $1/8 (+ 1/16)$ inch.

3.6.2 Stitches per inch. The minimum and maximum number of stitches per inch shall be as specified in Table III.

3.6.3 Thread breaks and ends of seams. Ends of all seams and stitchings, when not caught in other seams or stitchings, shall be backtacked not less than $1/4$ inch. Thread breaks (all stitch types) shall be secured by stitching back of break not less than $1/2$ inch. Skipped stitches or thread breaks, shall be repaired by using 301 stitch type.

3.7 Manufacturing operation requirements. The contractor shall manufacture the hoods in accordance with the operations specified in Table III. The contractor is not required to follow the exact sequence of operations listed provided that the finished hood is identical to that produced by following the sequence of operations as listed in Table III.

3.7.1 Abbreviations in table of operations. The abbreviations used in table I are as follows:

Stch	-	Stitch
in	-	inch
Ndl	-	Needle
Bob	-	Bobbin
Lpr	-	Looper
Mchne	-	Machine
Brtck	-	Bartack
Comrc1	-	Commercial
smlr	-	similar
Btnhl	-	Buttonhole
incl	-	including
dbl	-	double
chnstch	-	chainstitch

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TABLE III. Construction of hood

No.	Operation	Stch Type	Seam/ Stch type	Stch in	Thread Ndl Bob/ Lpr	
1.	<p><u>Cutting.</u></p> <p>a. All parts of the hood shall be cut in strict accordance with patterns furnished which show shape, directional lines for cutting, placement of component parts, and notches for proper assembly of all component parts.</p> <p>b. Cut elastic webbing as specified (see 3.3.3) 10-1/4 (+ 1/4) inches for the face opening.</p>					
2.	<p><u>Replacement of defective components.</u></p> <p>During spreading, cutting, and manufacturing process, components having material defects or damages that are classified as defects in Section 4, shall be removed from production and replaced with non-defective and properly matched components.</p>					
3.	<p><u>Assemble hood top.</u></p> <p>Place both plies together so that all raw edges are even.</p> <p>NOTE: Work all hood top operations as two ply. To eliminate slippage of plies, stay stitching may be used along the outer edge, excluding the face opening.</p>					
4.	<p><u>Bind face opening.</u></p> <p>a. Keeping the raw edges of the face opening even, stitch the binding while enclosing the elastic webbing.</p> <p>b. The elastic shall be fully extended and positioned between stitch lines of the binding. (Caution: Care shall be taken so that the elastic is not caught in stitching.)</p> <p>c. The finished width and gauge of the binding shall be as specified (see 3.3.4 and 3.6.1).</p>	402 or BSb-2 406		15-17	45	45

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TABLE III. Construction of hood

No.	Operation	Stch Type	Seam/ Stch type	Stch in	Thread	
					Ndl	Bob/ Lpr
5.	<u>Stitch center back of hood top.</u> a. Abutt seams of center back of hood top and seam from neck edge to face opening. b. Extend chain of type 607 stitching 1/2 to 3/4 inch.	607	FSa-1	12-14	45	45
6.	<u>Bind bottom edge of yoke pieces.</u> a. Stitch the binding to the bottom edge of both yoke pieces. b. The finished width and the gauge of the binding shall be as specified (see 3.3.4 and 3.6.1).	402 or 406	BSb-2	15-17	45	45
7.	<u>Seam yoke.</u> a. Abutt one shoulder seam of both yoke pieces, stitching from neck edge to bottom edge. b. Extend chain of the type 607 stitching 1/2 to 3/4 inch.	607	FSa-1	12-14	45	45
8.	<u>Join yoke to hook top.</u> a. The hood top neck edge and the yoke neck edge shall be aligned according to the patterns. Starting at the open shoulder seam of yoke, stitch the yoke to the hood top with seams abutted along neck edge returning to starting point and continuing down shoulder seam bottom edge. b. Extend chain of the type 607 stitching 1/2 to 3/4 inch.	607	FSa-1	12-14	45	45
9.	<u>Bartacking.</u> a. Fold under runoffs in operations 5, 7, and 8 and bartack 1/8 (+ 1/16) inch from finished edge. Trim chain to 1/4 inch.	Brck		16-18 per brck	45	45

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TABLE III. Construction of hood

No.	Operation	Stch Type	Seam/ Stch type	Stch in	Thread Ndl Bob/ Lpr
	b. The width of the bartack shall be $1/2$ ($+ 1/8$) inch.				
10.	<u>Labeling.</u> Each hood shall have the combination identification and warning label stitched on all four sides to the inside center of the back yoke. The label shall be centered and positioned approximately $1/4$ inch above the binding. Stitching shall not be through the printing.	301	LSbj-1	8-10	45 45
11.	<u>Trimming and cleaning.</u> a. Trim all thread ends. b. Remove all loose threads. c. Remove all spots and stains.				

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3.8 Measurements. The finished hood shall conform to the dimensions specified in Table IV. All measurements are expressed in inches. The hood shall be positioned so that the side view is shown. The hood shall be smooth and flat, with all edges even.

Table IV - Finished measurements

Measurements	Dimensions	Tolerance
Length of hood top (A)	15-3/4	+ 1/4
Length of yoke along shoulder seam (B)	4-3/4	+ 1/4
Width of hood top at top of face opening (C)	9-1/2	+ 1/4
Width of hood top at center of face opening (D)	5-7/8	+ 1/4
Width of hood top at yoke seam (E)	11-3/4	+ 1/4
Width at widest point of yoke (F)	24	+ 1/4

NOTE: A through F refer to Figure 1.

3.9 Workmanship. The finished hoods shall conform to the quality established by this specification. The occurrence of defects shall not exceed the applicable acceptable quality levels.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any other facilities suitable for performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 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 inspection 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.

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4.1.2 Certificate of compliance. Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the certification.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

1. First article inspection (see 4.3).
2. Quality conformance inspection (see 4.4).

4.3 First article inspection. The First Article, submitted in accordance with 3.2 and 6.2, shall be inspected as specified in 4.4.2 for compliance with design, construction, workmanship and dimensional requirements.

4.4 Quality conformance inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be tested in accordance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable procurement documents. A certificate of compliance shall be submitted and will be acceptable for the webbing requirements of 3.3.3. In addition, the knitted basic material shall be tested for the characteristics specified in Table V and in accordance with the referenced test methods of FED-STD-191 whenever applicable. Testing for all the requirements listed is applicable to the sample unit. The lot size shall be expressed in units of yards and the sample unit shall be one yard full width. The sample size shall be as follows:

<u>Lot size</u>	<u>Sample size</u>
800 or less	2
801 up to and including 22,000	3
22,001 and over	5

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Table V. Fabric test methods

Characteristic	Requirement paragraph	Test method
Fiber		
PFR Rayon		
Identification, staple, denier	3.3.1.1	1/
PBI		
Identification, staple, denier	3.3.1.2	1/
Yarn blend	3.3.1	1/
Knit	3.3.1	Visual
Nonfibrous material	3.3.1.4	2611
Flame resistance		
Initially	3.3.1.5	5903
After 25 launderings	3.3.1.5	5556 and 5903
Weight	3.3.1.5	5041
Thickness	3.3.1.5	5030
Wales/Courses	3.3.1.5	5070
Burst strength	3.3.1.5	5120

1/ A certificate of compliance shall be submitted and will be acceptable for the stated requirements.

4.4.2 Examination of the end item. Examination of the end item shall be in accordance with 4.4.2.1 through 4.4.2.3. The applicable inspection levels and acceptable quality levels (AQL's) shall be as indicated in 4.4.2.3. The sample unit shall be one finished hood. The lot size shall be expressed in units of hoods.

4.4.2.1 Visual examination. The hoods shall be examined for defects classified in accordance with the list below:

Defects	Classification	
	Major	Minor
I. MATERIAL DEFECTS		
a. Any hole, cut, tear, mend or drop stitch	X	
b. Any loose knitting, causing sleaziness		X
c. Slubby yarn more than twice the size of the normal yarn		X
d. Any spot, stain, or streak		X
e. Barre		X
f. Foreign matter, fly and etc. (score only when condition is visible at a distance of three feet)	X	
II. CLEANNES		
a. Any spot or stain		X
b. Thread ends not trimmed:		
- 3 or more 1/4 inch or less on outside		X
- 5 or more 1/2 inch or less on inside		X

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Defects	Classification	
	Major	Minor
III. COMPONENTS AND ASSEMBLY		
a. Any component not as specified	X	
b. Any operation not as specified (unless otherwise classified herein)		X
c. Any component part or operation omitted or not as specified (unless otherwise classified herein)	X	
d. Any component part tight, twisted, distorted, pleated, full, mishaped, or puckered (unless otherwise classified herein)		X
IV. CUTTING		
Any part not cut in accordance with directional lines indicated on patterns or in accordance with specification requirements		X
V. COLOR		
Not as specified		X
VI. SEAMS AND STITCHING		
a. Accuracy of seaming		
(1) Seams puckered, twisted or pleated (unless otherwise classified herein)		X
(2) Ends of all seams and stitchings when not caught in other seams or stitchings backtacked less than 1/4 inch		X
(3) Part of hood caught in any unrelated stitching operation, seriously affecting serviceability	X	
(4) Not specified color thread used		X
(5) Gauge of stitching - Stitching irregular, not within range specified or varies more than 1/16 inch when no range is specified (score only when condition exists on more than half the length of seam)		X
b. Open seams or runoffs		
(1) Up to 1/4 inch inclusive		X
(2) More than 1/4 inch	X	
NOTE: One or more broken stitches or two or more consecutive skipped or runoff stitches constitute an open seam.		

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Defects	Classification	
	Major	Minor
c. Seam and stitch type		
(1) Not specified seam or stitch type	X	
(2) Any line of stitching omitted or insecure		X
(3) Any line of stitching not beginning or ending where specified (unless otherwise classified herein)		X
(4) Looper thread on outside	X	
d. Stitch tension		
(1) Loose tension resulting in loose seam	X	
(2) Tight tension (stitches break when normal strain is applied in the direction of the seam or stitching)	X	
(3) Loose tension resulting in loose or tangled loops of lower or top thread		X
e. Stitches per inch		
(1) More than the maximum specified		X
(2) Less than the minimum by two or more stitches		X
f. Bartacking		
(1) Missing, insecure, misplaced, not serving intended purpose, or not specified size or type		X
(2) Loose stitch tension		X
(3) Placed less than 1/16 inch or more than 3/16 inch from finished edge.	X	
VII. BIAS BINDING		
a. Not cut or made from basic material as specified herein	X	
b. Missing	X	
c. Finished width less than 7/16 inch or more than 9/16 inch		X
d. Twisted, puckered, or pleated		X
VIII. HOOD TOP		
Both plies not caught in seaming and stitching operations	X	
IX. ELASTIC		
a. Not as specified	X	
b. Missing	X	
c. Caught in stitching of binding	X	

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Defects	Classification	
	Major	Minor

X. LABEL

- | | |
|---------------------------------------------------------------------------|---|
| a. Missing, incorrect, or illegible | X |
| b. Not attached as specified, misplaced or stitching through the printing | X |

4.4.2.2 Dimensional examination. The hoods shall be examined for dimensional defects. Any dimension that is not within specified tolerances shall be classified as a measurement defect.

4.4.2.3 Inspection levels and acceptable quality levels. The inspection levels and the acceptable quality levels (AQL's) expressed in defects per 100 units (DHU) shall be as follows:

	AQL	Inspection level
For visual examination in 4.4.2.1		
Major	2.5	II
Major and Minor (combined)	10.0	II
For dimensional examination in 4.4.2.2		
One class	4.0	S-3.

4.4.3 Examination of packaging requirements. An examination shall be made to determine that packaging, packing, and marking comply with Section 5 requirements of this specification. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be closed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be on the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5 defects per hundred units.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.
Materials	Any component missing, damaged, or not as specified.
Workmanship	Inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, inadequate stapling, bulged or distorted container.
Content	Number of items per shipping container is more or less than required. Size shown on one or more items not as specified on shipping container. <u>1/</u>

1/ For this defect, one item from each shipping container in sample shall be examined.

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4.4.4 Palletization examination. An examination shall be made to determine that the palletization complies with the section 5 requirements. Defects shall be scored in accordance with the list below. The sample unit shall be one palletized unit load fully packaged. The lot size shall be the number of palletized unit loads in the end item inspected lot. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5 in accordance with MIL-STD-105.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.

5. PACKAGING

5.1 Preservation-packaging. Preservation-packaging shall be level A or Commercial as specified (see 6.2).

5.1.1 Level A. Each hood shall be laid flat, face side up. The right and left yoke portions shall be folded inward so that the sides are comparatively straight. The hood shall then be folded in half from top to bottom, to finish approximately 13 inches x 7-1/2 inches. Twenty (20) hoods shall be neatly stacked in a bundle, with each bundle securely tied with cotton tape or twine approximately 2 inches from each end.

5.1.2 Commercial. Hoods shall be packaged to afford adequate protection against deterioration and physical damage during shipment from the contractor to the first receiving activity. The package and the quantity per package shall be the same as that normally used by the contractor for retail distribution.

5.2 Packing. Packing shall be level A, B, or Commercial as specified (see 6.2).

5.2.1 Level A. Two hundred and forty (240) hoods, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to type CF, class weather-resistant grade V15c, variety DW, style RSC-L of PPP-B-636. The fiberboard used for the liner shall be type CF, class domestic in accordance with PPP-B-636. Level A packages shall be packed flat, two in length, two in width, and three in depth within the shipping container. Inside dimensions of each container shall approximate 26-1/2 inches in length, 15-1/2 inches in width, and 15 inches in depth. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper, closed in accordance with Method III, and reinforced in accordance with the appendix of PPP-B-636.

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5.2.2 Level B. Two hundred and forty (240) hoods, packaged as specified in 5.1, shall be packed in a fiberboard shipping container conforming to style type CF, variety DW, class domestic, grade 275, of PPP-B-636. The fiberboard used for the liner shall be type CF, class domestic in accordance with PPP-B-636. Level A packages shall be packed flat, two in length, two in width, and three in depth within the shipping container. Inside dimensions of each container shall approximate 26-1/2 inches in length, 15-1/2 inches in width, and 15 inches in depth. Each container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper, and shall be closed in accordance with Method II as specified in the appendix of PPP-B-636.

5.2.3 Commercial. Item packaged, as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution. Containers shall comply with the US Postal Service Manual, Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

5.4 Palletization. When specified (see 6.2) item packed as specified shall be palletized on a 4-way entry pallet 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, 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 group 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. NOTES

6.1 Intended use. The hoods covered by this specification are intended to protect Naval personnel from transient and elevated air temperatures, resulting from the use of high explosive weapons, and will be used with the Gloves, Anti-Flash, Flame Resistant (MIL-G-2874).

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6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number and date of this specification.
- b. When a first article sample is required (see 3.2 and 4.3) the item will be tested and should be a first article sample. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, quantity, and testing and approval of the first article.
- c. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- d. When palletization is required (see 5.4).

6.3 Samples and patterns. For access to samples and patterns, address the procuring activity issuing the invitation for bids (see 3.1).

6.4 Component sources. As a matter for information only, sources for components indicated in section 3 of this document are as follows:

Cotton elastic webbing, style # 2200132, 1/4 inch wide

The Star Glove Company
700 Merchant Street
Los Angeles, CA 90021
(213)628-1341

6.5 Subject term (key word) listing:

Cloth, knit
Clothing, protective
Fiber, PBI/PFR rayon blend
Hood, flame resistant

Custodian:

Navy - NU
Army - GL
Air Force - 99

Preparing Activity:

Navy - NU

Review Activity:

DLA - CT
Army - GL
Air Force - 82

Project number:

8415-0571

MIL-H-24936

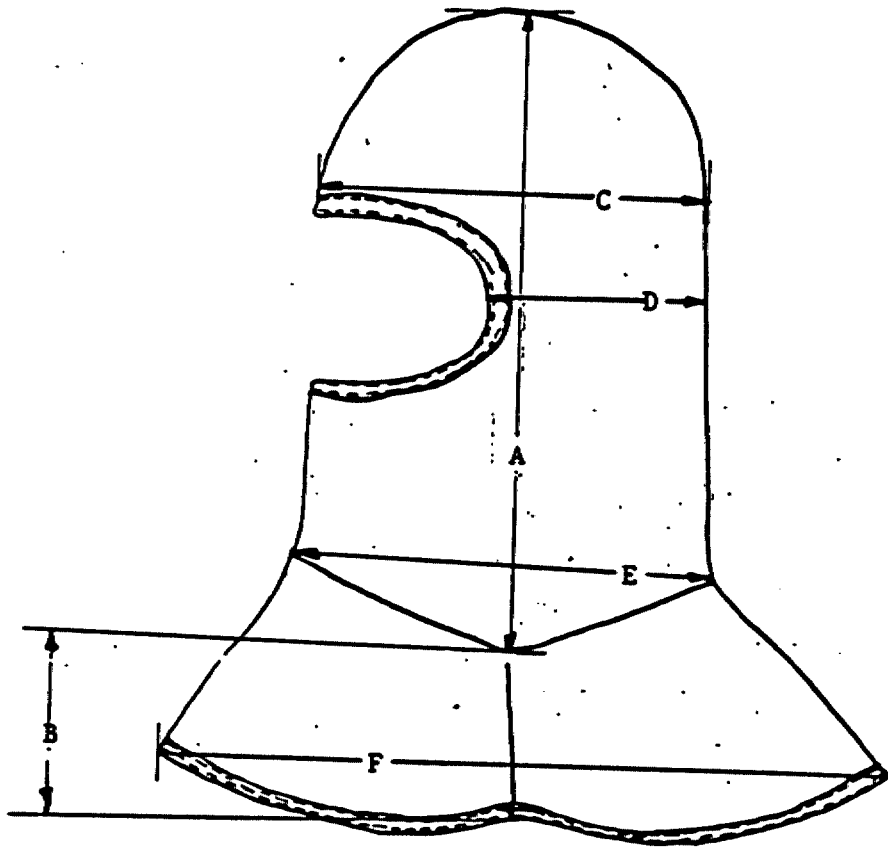


FIGURE 1
Hood, Anti-flash, Flame Resistant

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER

MIL-H-24936

2. DOCUMENT TITLE

HOOD, ANTI-FLASH, FLAME RESISTANT

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

 VENDOR USER MANUFACTURER OTHER (Specify): _____

b. ADDRESS (Street, City, State, ZIP Code)

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

b. WORK TELEPHONE NUMBER (Include Area Code) - Optional

c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional

8. DATE OF SUBMISSION (YYMMDD)