

INCH-POUND

A-A-50194

May 22, 1989

COMMERCIAL ITEM DESCRIPTION

HOOD, BALACLAVA, COLD WEATHER

The General Services Administration has authorized the use of this commercial item description in preference to MIL-H-44302.

1. SALIENT CHARACTERISTICS

1.1 Description. The hood shall be a pull over the head style (see attached figure), and shall have an adjustable face opening allowing it to be worn up over the nose or down under the chin. The hood shall have two plies of the knitted cloth with a wind barrier interlining between the plies in the face area and extending over the head. The interlining shall have a cut out in the mouth area. The length of the hood shall extend down the neck. NOTE: The figure is furnished solely for guidance and information.

1.2 Size. One size fits all and the measurements and weight for the hood shall be as follows:

Weight	4 ounces	+ 1 ounce
Length <u>1/</u>	19 inches	+ 1 inch
1/2 Width <u>2/</u>	8 1/4 inches	+ 1/4 inch
1/2 Face opening <u>3/</u>	7 1/4 inches	+ 1/4 inch

1/ Place hood face side up on a flat surface, align bottom edges of front and back, and butt top and bottom edges of face opening. With hood in this position, measure length in a straight line from folded edge of crown at highest point to bottom of hood.

2/ With hood positioned as indicated above, measure across the hood in a straight line from folded edge to folded edge at face opening.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be addressed to: Commander, U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014.

AMSC N/A

FSC 8415

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- 3/ Fold hood in half lengthwise so fold runs in the length direction of the center top and center neck of the hood. Place folded hood on flat surface with edges of face opening even. Place one hand on neck end of face opening, holding hood against surface. With other hand, slide top of hood along surface toward back of hood until curvature along side edges of face opening approximates a straight line. With hood in this position, measure along the edge of face opening from fold at center top to fold at centerneck.

1.3 Knitted cloth. The finished cloth for the hood shall be washable wool, not lower than 64's U.S. Standard, which may be blended with a maximum of 15 percent synthetic fiber, and dyed Camouflage Green 483. The finished cloth shall be constructed in a 1 x 1 rib knit and conform to the minimum requirements listed below when tested in accordance with the cited test methods.

<u>Characteristics</u>	<u>Minimum requirement</u>	<u>Method</u>
Weight: oz./sq. yd 1/	8.0	ASTM D 3887
Wales x courses per inch	5 x 12	ASTM D 3887
Colorfastness to:		
Crocking	Good	FED-STD-191; Method 5651
Perspiration	Good	FED-STD-191; Method 5680
Laundering	Good	FED-STD-191; Method 5614

- 1/ Requirement for single ply of the base knit material.

1.4 Interlining. The wind barrier shall be of a tightly woven nylon material with a maximum air permeability of 15 cubic feet/minute/square foot when tested in accordance with ASTM D 737.

1.5 Shrinkage. The finished hood shall neither shrink nor elongate more than 7 percent maximum in either the length or width direction after five home type launderings and dryings.

NOTE: A home-type laundering is defined as washing the hood in a domestic washing machine in cold water on gentle cycle with mild detergent and tumble drying in a domestic dryer on low heat setting.

1.6 Labels. Each hood shall have a combination identification/care label. The label shall contain the following information:

Contract Number
NSN
Fiber Content
Supplier's Name

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Machine Wash in Cold Water on Gentle Cycle
with Mild Detergent
Tumble Dry on Low Heat Setting
Do Not Use Bleach
Do Not Wring/Twist

1.7 Thread. The thread for seaming and edge finishing the hood shall be Green E, C.A. 66034, polyester-, rayon-, or cotton-covered, ticket No's 40, 2 or 3 ply, or 50, 2 or 3 ply.

1.8 Durability. The finished hoods, after 25 home-type launderings and dryings shall show no obvious signs of deterioration such as broken threads, open seams, frayed hems, holes in the fabric due to ruptured fibers, or frayed overedged edges.

1.9 Seams and stitching. Seam allowances shall be maintained with seams sewn so that no raw edges, run-offs, twists, pleats, puckers, or open seams occur. Thread tension shall be maintained so that no tight or loose tension will result. Overedge stitching shall be 3/16 to 1/4 inch wide.

- Type 401 stitching shall be used to seam the upper portion of the balaclava together. Both ends of the stitching produced with 401 stitch type shall have a 1/2 inch chain extending beyond each end.
- Type 504 or 505 stitching shall be used on face opening and bottom edges of hood.

2. QUALITY ASSURANCE

2.1 Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producer's own specifications, standards, and quality assurance practices. When specific quality assurance provisions are specified for any commercial characteristic, the contractor shall furnish data resulting from inspection conducted in accordance with the specific quality assurance provisions. 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.

2.2 Visual examination. Lots of hoods shall be inspected in accordance with MIL-STD-105, inspection level II, AQL 10.0. The sample unit is one hood. The hood shall be inspected for consumer type defects only. Consumer type defects are defined as defects in design, material, construction, workmanship, any component full, tight or twisted, open seam, any size hole, cut, tear, smash, run or dropped stitch, missing yarn, broken yarn, or loose yarn, visible mend, shade bar, dye streak, or area of no dye penetration. Any spot or stain clearly noticeable. NOTE: For knitted fabric defect definitions, see MIL-STD-1491.

2.3 Dimensional examination. The finished hood shall conform to the dimensions specified in 1.2. Any dimension that is not within the established tolerance shall be classified as a defect. The sample unit shall be one hood; the inspection level shall be S-4 and the AQL shall be 4.0.

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2.4 Packaging examination. The fully packaged shipping containers shall be examined in accordance with defects below. The lot size shall be the number of shipping containers in the inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5.

<u>Examine</u>	<u>Defect</u>
Material	Missing, damaged, not as specified.
Content	Number of hoods per shipping container is more or less than required.

3 PACKAGING.

3.1 Packaging. Each hood shall be folded to approximately 8 by 10 inches and packaged in a plastic bag.

3.2 Packing. One hundred hoods shall be packed in a fiberboard box conforming to style RSC-L, type CF (variety SW) or SF, class domestic, of PPP-B-636. The box shall be closed in accordance with the appendix of PPP-B-636.

3.3 Palletization. When specified (see 4.2), shipping containers shall be palletized 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 K and L, or film bonding means O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

3.4 Marking. Marking shall be in accordance with MIL-STD-129.

4 NOTES

4.1 Intended use. The hoods are intended for use by Military personnel as a component of the Extended Cold Weather Clothing System.

4.2 Ordering data.

- a. Title, number and date of this CID.
- b. When palletization of shipping containers is required (see 3.3).

4.3 Sources of documents.

4.3.1 Sources of non-government association documents.

ASTM D 737 - Standard Practice for Air Permeability Testing
 ASTM D 3887 - Standard Practice for Strength Testing

The American Society for Testing and Materials (ASTM)
 1916 Race Street
 Philadelphia, PA 19120-5099

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MILITARY INTERESTS:

Custodians:

Army - GL
Navy - NU
Air Force - 99

Review Activities:

Army - MD
Air Force - 99
DLA - CT

User Activities:

Navy - MC
Air Force - 45

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY

Army - GL

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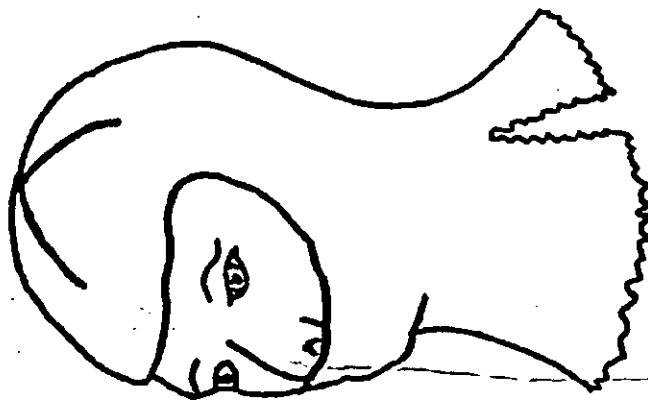
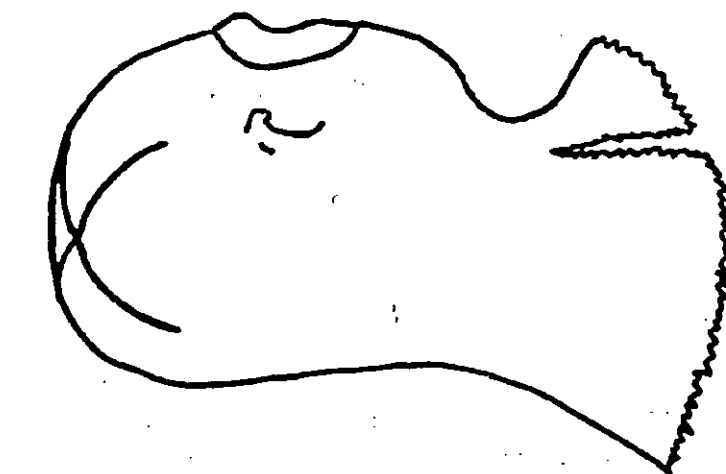


Figure 1: Hood, Balaclava, Cold Weather