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INCH-POUND

A-A-55080
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COMMERCIAL ITEM DESCRIPTION

COVER, WATERPROOF, MULTIPURPOSE

The General Services Administration has authorized the use of this Commercial Item Description in preference to MIL-C-1997.

Classification. The cover shall be of the following sizes:

Size 1	- 8 inches wide,	18 inches long
Size 2	- 10 inches wide,	56 inches long
Size 3	- 15 inches wide,	45 inches long
Size 4	- 20 inches wide,	84 inches long

Salient Characteristics. All covers shall be constructed from polyethylene lay flat tubing. One end of the tube shall be closed with a heat seal. Excess material beyond the seal shall be trimmed evenly. Covers are intended to provide waterproof, lightweight protection for small arms against rain and moisture, as water carrying bags, or protectors for miscellaneous small items of clothing and equipment, or they may be inflated to improvise light-weight water crossing rafts.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FSSD, 2800 South 20th Street, Philadelphia, PA 19101-8419, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 8465

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Material. The film used in fabricating all covers shall be polyethylene lay flat tubing conforming to type I, grade B, finish 2 of L-P-378, except that the workmanship requirements are not applicable. The density of the film shall be 0.914 to 0.950 grams per cubic centimeter, and the film shall have a minimum impact resistance of 125 grams. The film shall be 0.004 inch thick with a tolerance of ± 25 percent and the thickness shall apply to the individual determination. The color of the film shall approximate color No. 24084 of FED-STD-595. An opaque type (non-transparent) comparable to color numbers 27038, 27040 are acceptable. The end of the tube shall be closed with a heat seal and shall not be less than 1/16 inch wide nor more than 3/4 inch wide. Excess material beyond the seal shall be trimmed evenly, not to exceed 1/2 inch.

Cord. The cotton cord shall conform to type I, class 3, size No. 4 of T-C-571. The color of the cord shall be Camouflage Green 483. Each size 2 and size 3 cover shall be furnished with a 72 ± 2 inch piece of cotton cord. The ends of the cord shall be either tipped or resin coated. The cord shall not be attached to the cover.

Label/marking. Each cover shall be labeled with the following:
- Item description
- Contract number
- Stock number
- Size
- Contractor's name

The size of the characters shall be approximately 1/4 inch high. A white marking medium shall be used. The label shall be clearly legible after being subjected to an ink adhesion test according to the procedure in L-P-378. The label shall be located midway (± 2 inches) between the sealed seam and the opening.

Sizes and Measurements. The inside finished measurements and tolerances for each size cover shall conform to the measurements below.

	Width (inches)	Length (inches)
Size 1	8 ± 1/4	18 ± 1/2
Size 2	10 ± 1/4	56 ± 1
Size 3	15 ± 1/2	45 ± 1
Size 4	20 ± 5/8	84 ± 1-1/2

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Workmanship. After completion, the finished covers shall be thoroughly clean, well finished, free from gels, pinholes, holes, cracks, blisters, fish eyes, mottling, particles of foreign matter and undispersed raw material. Raw edges shall be free from nicks and cuts. The quality of the covers shall conform to the levels established by this document.

Product Demonstration Model. When required, offerers shall submit samples of their intended production. The Product Demonstration Model will consist of units independently developed. Product Demonstration Models will be analyzed and evaluated by the government. Evaluation criteria and basis for award are contained in the solicitation. Product Demonstration Models will be retained by the government. One (1) Product Demonstration Model approved by DPSC under the resultant contract will serve as a manufacturing standard for the corresponding production items delivered under this contract. Offerers are advised that the Product Demonstration Model does not relieve the successful offerer of his responsibility to perform in accordance with the Commercial Item Description specified above.

Quality Assurance

Certification. The contractor shall certify that the product offered meets the salient characteristics of this 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 the first delivery and thereafter as may be otherwise provided for, under the provisions of the contract. Reliance on contractor QA systems shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract.

Examination. Lots of covers shall be inspected in accordance with "Sampling Procedures and Tables for Inspection by Attributes", ANSI/ASQC Z1.4, published by the American Society for Quality Control.

Visual Examination. The inspection level for visual examination shall be I and the AQL 2.5. The sample unit shall be one cover.

Dimensional Examination. The finished covers shall conform to the dimensions specified. Any dimension that is not within the established tolerance shall be classified as a defect. The sample unit shall be one cover; the inspection level shall be S-2 and the AQL shall be 1.5.

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

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Examination	Defect
Material	Missing, damaged, not as required.
Content	Number of covers per shipping container is more or less than required.

Defects. The cover shall be uniform in quality and shall be free from irregularities or defects which affect performance, reliability, or durability. Commercial defects: not uniform in color, texture and finish; variation in film thickness; any foreign material; label missing or not as specified; measurement of item not as specified; not heat sealed across one end; excess material not trimmed evenly. The cotton cord not of color CG 483; not one piece; any cut; chafed or damaged; core missing; kinks, broken or loose ends; unevenly braided resulting in open places, breaks in continuity of braid or soft spots; finish gummy or tacky; ends not tipped or resin coated.

End Item Performance Testing. The end item shall be tested for **label adhesion, seam strength, crease strength,** and **leakage**.

Requirement for label adhesion. Each cover shall be labeled in accordance with type IV, class 5 of DDD-L-20 except that the fastness of the printing test shall not apply. The label shall be clearly legible after being subjected to the ink adhesion test as specified. The label shall be located midway (± 2 inches) between the sealed seam and the opening.

Ink adhesion label test. The ink adhesion shall be determined according to the procedure in the ink adhesion test of L-P-378 except that the test shall be performed on the label of a finished cover. The test area of the label shall be visually examined for legibility.

Requirement for seam and crease strength. The breaking strength of the seam shall be not less than 60 percent of the breaking strength of the film when tested as specified. The breaking strength at the side creases of the cover shall not be less than 50 percent of the breaking of the film when tested as specified.

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Seam and crease strength tests. Strength of the heat sealed seam area and the creased area shall be determined in accordance with method 1013 of FED-STD-406. The specimens shall be 1 inch in width and shall be cut from a finished cover with the seam or crease across the short dimension and equidistant from the ends. The gage marks need not be applied and the elongation need not be measured. The initial separation between the grips of the apparatus shall be 2 inches and the specimen shall be placed in grips with the seam or crease equidistant between the grips. The strength of the seam or crease reported in pounds to the nearest 0.1 pound, shall be the average of 5 determinations per sample unit. The film strength shall be determined by the same method used to determine the seam strength except that specimens shall be cut from the unseamed and uncreased section of the cover with the long dimension parallel to the long dimension of the cover and all reference to the seam or crease shall not apply. The strength of the film, reported in pounds to the nearest 0.1 pound, shall be the average of 5.0 determinations per sample unit.

Leakage requirement. The cover shall not leak or separate at the seam when tested as specified.

Leakage test. The cover shall be marked 5 inches from the inside of the seam and filled with water to the mark. The temperature of the water shall be 73.5 ± 2 degrees F. The cover shall then be suspended over a dry receptacle for a period of 3 hours. At the end of the 3-hour period, the cover shall be examined for seam separation and leakage of the water into the receptacle.

Packaging, Packing, Marking, and Palletization

Packaging, packing, marking and palletization shall be in accordance with ASTM-D 3951, Standard Practice for Commercial Packaging, as specified for shipments to the Department of Defense, including Section 7. Shipping cartons shall be style RSC-L, variety SW, with DW liners, class Domestic, grade 275.

Note: Each shipping container shall contain only one National Stock Number (NSN) and a total quantity of 1000 size 1 covers, 350 size 2 covers, 250 size 3 covers and 100 size 4 covers, packaged as specified above.

Unitized loads, placing boxes on pallets, shall be used whenever total quantity for shipment to one destination exceeds 250 pounds (excluding the pallet) or 20 cubic feet. Pallets shall have a length of 40 inches and a width of 48 inches. Pallet loads, including the pallet, shall not exceed 54 inches in height, 43 inches in length and 52 inches in width.

The containers shall be bonded onto wing type commercial 4-way entry pallets.

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Note: All palletized loads shall contain only one NSN, to the maximum extent possible. When there is less than a pallet load per NSN, pallets may have containers not of the same NSN, but the pallet shall be clearly marked "mixed" and each applicable NSN shall be listed together with its total quantity.

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

Sources of Nongovernment Documents.

ANSI/ASQC Z1.4 - Sampling Procedures and Tables For Inspection By Attributes

(Applications for copies should be addressed to American National Standards Institute, 1430 Broadway, New York, NY 10018-3308.)

ASTM-D 3951 - Standard Practice for Commercial Packaging

(Applications for copies should be addressed to American Society For Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

Custodian:
Army - GL
Navy - NU

User Activity:
Navy - MC

Civil Agency Coordinating Activity:
GSA-FSS

Preparing Activity:
DLA-CT

Project No. 8465-0098

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8 In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER A-A-55080	2. DOCUMENT DATE (YYMMDD) 92-08-01

3. DOCUMENT TITLE
Cover, Waterproof, Multipurpose

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY

a. NAME	b. TELEPHONE (Include Area Code)	
Defense Personnel Support Center ATTN: DPSC-FSSD (12-3-D)	(1) Commercial 215-737-8105	(2) AUTOVON 444-8105
c. ADDRESS (Include Zip Code) 2800 South 20th Street P. O. Box 8419 Philadelphia, PA 19101-8419	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	