

INCH-POUND

A-A-55437
13 June 1994

COMMERCIAL ITEM DESCRIPTION

COVER, POLYETHYLENE, PALLET, CARGO
HCU-6/E AND HCU-12/E

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for MIL-C-83991A which is cancelled.

Scope. This description covers three types (sizes) of polyethylene covers (bags) used in the protective covering of system 463L palletized military airlifted cargo.

Classification. Polyethylene covers shall be one of the following types as specified.

- Type I - Cover, provides coverage for a 96 inch high load on a HCU-6/E pallet.
- Type II - Cover, provides coverage for a 72 inch high load on a HCU-6/E pallet.
- Type III - Cover, provides coverage for a 72 inch high load on a HCU-12/E pallet.

Salient characteristics.

1. Material. Material used to fabricate bags shall be Linear Low Density Polyethylene which shall be the copolymer of ethylene and octene 1 having melt index of 1.0 plus or minus 0.2 g per 10 minutes and a density of 0.920 plus or minus 0.002 g/cc.
2. Water vapor permeability. The water vapor permeability, tested in accordance with ASTM F-3, shall be 0.45 maximum.

Beneficial comments, recommendations, additions, deletions, clarifications etc. and any other data which may improve this document should be sent by letter to: WR-ALC/LZMD, Robins AFB, GA 31098-1622.

AMSC-N/A

FSC-3990

Distribution Statement A. Approved for public release; distribution is unlimited.

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3. Cover. Bags shall be formed from polyethylene tubing or flat film. The thickness of the film used shall be 0.003 inch. The seams of the formed bag (back and bottom as required) shall be effected either by an electronic seal, thermal impulse or other heat seal methods. All seams shall be straight and continuous and shall be parallel to each other and to the formed edges of the bag. The tensile strength of the formed seams shall be a minimum of 60% of the tensile strength of the film itself. Bottom seams and the side seams if used, shall be positioned along the edges of the bag with the gussets either in closed position or in the open (extended) position.

4. Load dimensions. Load dimensions shall be outside measurements. A polyethylene cover (bag) shall cover loads of the following dimensions:

Type Bag	Outside load Dimensions
Type I	112 inches long, by 90 inches wide, by 96 inches high
Type II	112 inches long, by 90 inches wide, by 72 inches high
Type III	88 inches long, by 54 inches wide, by 72 inches high

5. Cover size. Bag type shall be supplied as specified. Cover dimensions shall be as follows.

Type Bag	Dimensions
Type I	Size 202 +/- 2 inches lay flat width, gusseted to 106 inches face width by 96 inches gusset, by 141 +/- 1 inch long inside measurement
Type II	Size 202 +/- 2 inches lay flat width, gusseted to 106 inches face width by 96 inches gusset, by 117 +/- 1 long inside measurement
Type III	Size 144 +/- 2 inches lay flat width, gusseted to 88 face width by 54 inches gusset, by 99 +/- 1 inch long measurement

6. Workmanship. The fabricated bag shall be free from cuts, tears, creases, cracks or other imperfections which might impair its usefulness. The bag shall be free from dirt, grit or other uncleanness and shall not block to the extent that it cannot be readily handled manually.

Regulatory Requirements. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

Metric Products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest version of Federal Standard No. 376, and all other requirements of this Commercial Item Description are met.

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If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

The contracting officer has the option of accepting or rejecting the product.

Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of the Commercial Item 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 first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Preservation, packaging, packing, and marking. Preservation, packaging, packing and marking for shipment shall be in accordance with American Society for Testing and Materials (ASTM) D 3951 or as specified in the contract or order.

Notes.

Addresses for obtaining reference documents.

ASTM D 3951, ASTM F-3

American Society for Testing and Materials
1916 Race St.
Philadelphia PA. 19103

Ordering Data

- a) Title, number, and date of this description.
- b) Type of bag
- c) Specify special packaging requirements.
- d) Contracting officer may request proof of certification of commercial item prior to first contract delivery.

National Stock Number. The following NSN'S have been assigned.

Type I	3990-00-930-1480
Type II	3990-00-930-1481

MILITARY INTEREST:

Custodians

Air Force - 99

PREPARING ACTIVITY: Air Force - 84

AGENT: DLA-GS

Project No.: 3990-0226