

MIL-E-6060D  
2 November 1982  
 SUPERSEDING  
 MIL-E-6060C  
 13 March 1970

## MILITARY SPECIFICATION

### ENVELOPE, PACKAGING, WATERVAPORPROOF, FLEXIBLE

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

#### 1. SCOPE

1.1 Scope. This specification covers one type of flexible, watervaporproof packaging envelope (see 6.1)

#### 2. APPLICABLE DOCUMENTS

##### 2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified (see 6.2), the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein.

#### SPECIFICATIONS

##### Federal

PPP-B-601	Boxes, Wood, Cleated Plywood
PPP-B-621	Box, Wood, Nailed and Lock Corner
PPP-B-636	Box, Shipping, Fiberboard
PPP-T-60	Tape, Packaging, Waterproof

##### Military

MIL-B-131	Barrier Materials, Watervaporproof, Flexible, Heat Sealable
MIL-B-22191	Barrier Material, Transparent, Flexible, Heat Sealable

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Engineering Specifications and Standards Department (Code 93), Naval Air Engineering Center, Lakehurst, NJ 08733, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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## STANDARDS

Federal

Fed. Test Method      Test Procedures For Packaging Materials  
Std. No. 101

Military

MIL-STD-105            Sampling Procedures and Tables for  
Inspection by Attributes

MIL-STD-129           Marking for Shipment and Storage

MIL-STD-1188          Commercial Packaging of Supplies and  
Equipment

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

2.2            Other publications. The following document forms a part of this specification to the extent specified herein. The issue of the document which is indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable.

## AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 2240            Rubber Property - Durometer Hardness

(Copies of ASTM publications may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

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.

## 3      REQUIREMENTS

3.1            Material. Barrier material conforming to class 1 and 3 of MIL-B-131 shall be used to fabricate the envelope covered by this specification.

3.2            Construction.

3.2.1          Features. The envelope covered by this specification shall be a flexible container having one or more of the following features:

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(a) Double seam construction (i.e., horizontal seams joining a vertical seam at points other than at the open end of the envelope).

(b) Inspection window.

(c) Gaskets for hold-down bolts.

3.2.2 Fabrication. The envelope shall be fabricated as specified in the applicable drawing or contract. Barrier material of a single manufacturer's designation only shall be used in the same envelope. Seams parallel to the open end, but on opposite sides of the envelope, shall not join a common vertical seam within 2-1/2 inches of each other. Unless otherwise specified, an envelope fabricated from more than one width of barrier material shall have all seams, except side seams, parallel to the open end of the envelope. The number of widths of barrier material shall be held to a minimum.

3.2.3 Dimensions. Unless otherwise specified, all dimensions of the envelope shall not deviate more than  $\pm 1/4$  inch from those specified in the contract or on the applicable drawing (see 4.2.3.2).

3.3 Seams. Seams shall be uniformly heat sealed and continuous. There shall be no delamination or separation of the plies of the barrier material at the seam area after sealing (see tables I, II and 4.4.1).

3.3.1 Width of seams. The width of all seams shall be a minimum of 1/2 inch throughout. Equipment having a sealing area width of 1 inch shall be utilized in the sealing operation to allow for unevenness in fabricating the seam (see 4.2.3.1).

3.4 Seam fabrication (when applicable). Sections of the envelope containing double seams and, if present, sections containing gathered seams (i.e., sections where the material has been bunched in the sealing operation), when made into a pouch shall show no evidence of leakage at the seams (see tables I, II and 4.4.2).

3.5 Inspection window. When specified in the contract or on the applicable drawing, the envelope shall be furnished with an inspection window. The window shall conform to the requirements specified herein. Unless otherwise specified, when a window is required (see 6.2), window material and the method of mounting the window in the envelope shall conform to the following requirements (see tables I, II and 4.4.3).

3.5.1 Window material. The inspection window shall be constructed of material conforming to type I of MIL-B-22191.

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3.5.2 Window dimensions. Unless otherwise specified, for an envelope having outside length and width dimensions exceeding 36 inches, the window shall be 4 inches by 8 inches. For an envelope having either length or width dimensions less than 36 inches, the window may be 2 inches by 4 inches. For the 4-inch by 8-inch window, the window material shall be 6 inches by 10 inches. For the 2-inch by 4-inch window, the material shall be 4 inches by 6 inches (see 4.2.3.2).

3.5.3 Method of mounting window. The inspection window shall normally be mounted by means of heat sealing. If heat sealing cannot be accomplished, the window may be secured to the inside of the envelope by means of a suitable water-resistant adhesive, and cloth-backed tape conforming to PPP-T-60. The adhesive and tape used shall be such that the mounted window will satisfactorily meet the performance requirements specified herein. The adhesive shall be applied in such a manner as to form a continuous line of adhesive around the perimeter of the window. There shall be no adhesive visible on the outside of the envelope after the window has been mounted. After adhesively mounting the window to the envelope, the edges of the window shall be completely taped from the inside, using strips of the type of pressure-sensitive tape specified herein. The minimum width of the tape strips shall be 2 inches. Other methods of window mounting may be employed provided the mounted window can meet the performance requirements specified herein and the method of window mounting is approved by the acquiring activity (see 4.2.3.1)

3.6 Gaskets (if applicable). Gaskets, or gasket sheet material for use with the envelope covered by this specification shall be constructed from one of the following types of materials.

- (a) Synthetic rubber
- (b) Reclaimed rubber
- (c) Natural rubber
- (d) Cork and rubber composition
- (e) Fiber
- (f) Other materials approved by the acquiring activity

The gasket material shall have a minimum Shore Durometer hardness, type A, of 60. The gasket material shall have a nominal thickness of 0.062  $\pm$  0.010 inch. Shape and size of gaskets shall be as specified in the contract or on applicable drawings (see tables I, II, 4.4.1 and 6.2)

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3.6.1 Method of mounting gaskets. Gaskets shall be attached to the inside and outside of the envelope, shall coincide with their paired members and shall not be positioned within 1 inch of the inside line of any seam. The gaskets shall be mounted at points indicated on the applicable drawings. A suitable water-resistant adhesive shall be used for mounting the gaskets to the envelope. The adhesive shall be so applied as to form a continuous adhesive pattern conforming to the shape of the gasket. There shall be no excessive adhesive extending beyond the perimeter of the gasket. No holes shall be punched in the barrier material for the holddown bolts unless specified in the contract or applicable drawings. The gasket material and adhesive shall be compatible to each other and the barrier material, and shall conform to the performance requirements specified herein (see table I).

3.7 Performance. The envelope shall conform to the requirements of table I, when tested as specified in section 4.

TABLE I. Performance requirements.

Test	Requirements	Test Paragraph
Seam strength	No evidence of separation, peel back or slippage.	4.4.1
Seam fabrication (when applicable) (see 3.4)	No evidence of leakage.	4.4.2
Window mounting (when applicable) (see 3.5)	Window shall remain securely bonded to barrier material, and window material shall exhibit no evidence of delamination or other defects.  Window section shall exhibit no leakage of dye through or around the perimeter of the window or at the edges of the reinforcing tape.	4.4.3
Bond deterioration or delamination		
Dye leakage		
Gasket thickness (see 3.6)	Nominal thickness of .062 $\pm$ .010 inch	4.4.1
Gasket hardness (see 3.6).	Minimum Shore Durometer hardness of 60	4.4.1

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TABLE I. Performance requirements (continued).

Test	Requirements	Test paragraph
Leakage of gaskets		4.4.4
Secureness of gasket mounting	Gaskets shall remain securely attached to barrier material, with separation of the gasket-barrier material bond no greater than 25 percent of the annular area of attachment.	
Gasket material	Gasket material shall exhibit no evidence of cracking, breaking, splitting or delamination.	
Gasket performance	Simulated mounted pack shall exhibit no signs of leakage around the bolt or gasket area.	

3.8 Marking. The following information shall be marked in two positions on each envelope (see 4.2.3.1), using 1/4 inch lettering and a suitable waterproof black ink which is not deleterious to the barrier material:

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 Designation of envelope as specified in contract or on the applicable drawing  
 Envelope Part No.  
 Contract No.  
 Name of manufacturer.  
 Date of manufacture of envelope.

In addition, each unit pack of envelopes shall include a tag or identification sheet with the sealing conditions such as temperature dwell time and pressure, if appropriate for satisfactory heat sealing or rotary, band and jaw type equipment. This information may be obtained from the manufacturer of the material.

3.9 Workmanship. Workmanship shall conform to the levels of quality established herein. The envelope shall be uniformly constructed, and free from holes, cuts, tears, or other imperfections which might impair its usefulness. This requirement shall not be construed to mean that the envelope is unusable if light can be seen through the material from which the envelope is constructed

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the 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 Inspection of components and materials. In accordance with 4.1, the supplier is responsible for ensuring that materials and components used were manufactured, tested and inspected in accordance with the requirements of referenced subsidiary specifications and standards to the extent specified or, if none, in accordance with this specification. In the event of conflict, this specification shall govern.

4.1.2 Inspection of gaskets or gasket material. Tests shall be performed on representative samples from each lot or batch of gaskets or gasket material used in the fabrication of the end item to determine compliance for Shore Durometer hardness as specified in 3.6. The sample unit shall be one gasket or piece of gasket material, as applicable, of sufficient size to perform the test. Three determinations shall be performed on each sample unit. The average of the three determinations shall be not less than the requirement. Five sample units shall be tested without failure to meet the minimum requirements applicable to the sample unit.

4.2 Quality conformance inspection. Quality conformance inspection shall consist of all the tests and examinations specified herein, conducted in accordance with table II and 4.2.3 for the characteristics as indicated therein on each lot which is to be submitted for Government acceptance.

4.2.1 Lot for quality conformance inspection. The lot size, for the purpose of determining the number of sample units for testing, shall consist of all envelopes, manufactured by the same process, from the same components at one time at one plant by one manufacturer, under the same conditions within a weekly period.

4.2.2 Samples for quality conformance inspection. The number of envelopes to be subjected to qualification conformance inspection shall be based on the lot size and shall be as follows.

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TABLE II. Instructions for testing.

Characteristic	Specification reference		Requirements applicable to		Results reported as	
	Requirement	Test method	Individual unit	Lot average	Pass or fail <u>1/</u>	Numerically to nearest
Seam strength	Table I	4.4.1	X	-	X <u>2/</u>	
Seam fabrication (when applicable)	Table I	4.4.2	X	-	X <u>3/</u>	
Window mounting (when applicable)						
Bond deterioration or delamination	Table I	4.4.3	X	-	X	
Gasket thickness	Table I	4.4.1	X	-	X <u>1/</u>	
Leakage of gaskets						
Secureness of gasket mounting						
Gasket material: cracking, breaking, splitting or delamination	Table I	4.4.4	X	-	X	
Bond separation	Table I	4.4.4	X	-		Percent
Gasket performance (leakage)	Table I	4.4.4	X	-	X	

1/ If failure is indicated, report description of failure.

2/ Failure of more than one of the specimens of any one envelope to meet requirements for separation, slippage or peel back from the inside line of the seal indicates failure of that envelope.

3/ Evidence of leakage in any one specimen tested shall be cause for rejection of the material represented, if the number of specimens tested does not exceed six. When more than six specimens from the same envelope are tested, evidence of leakage in more than one specimen shall be cause for rejection of the envelope.



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<u>Lot size in envelopes</u>	<u>Number of envelopes to be tested</u> 1/
10 to 100	1
101 to 500	2
501 to 1000	3
1001 to 10,000	5
10,001 and up	7

1/ For a lot size less than ten, the acquiring activity will specify that one envelope be either submitted to a complete quality conformance inspection (see 4.2) or to a modified quality conformance inspection in which destructive testing is avoided and replaced by suitable alternative test procedures.

Failure of any envelope to meet the requirements shall be cause for rejection of the lot.

4.2.3 Examination of the end item. The end item shall be examined in accordance with the classification of defects, inspection levels and acceptable quality levels (AQLs) specified below. The lot size, for purpose of determining the sample size in accordance with MIL-STD-105, shall be expressed in units of envelopes for examinations in 4.2.3.1 and 4.2.3.2 and in units of shipping containers for examination in 4.2.3.3.

4.2.3.1 Examination of the end item for defects in material, construction, appearance and workmanship

Examine	Defects
Material	Any material or component not as specified. Barrier material not of a single manufacturer's designation. Any component missing.
Construction and appearance	Any detail of construction not in accordance with specification and applicable drawings. Number of widths of barrier material not held to a minimum. Any seam parallel to the open end which is less than 2-1/2 inches from a seam on the opposite side when measured at a common vertical seam. Any seam, except side seam, not parallel to the open end of envelope.

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Examine	Defects
Construction and appearance (continued)	<p>Gaskets not furnished on both inside and outside of envelope</p> <p>Seam less than 1 1/2 inch wide.</p> <p>Edges of window not completely secured from inside of envelope. Tape less than 2 inches in width (when applicable).</p> <p>Windows not mounted on inside of envelope as specified.</p> <p>Seams not heat sealed as specified.</p>
Workmanship	<p>Any delamination of barrier material or taped or adhesive bond at seam or joint.</p> <p>Seams not uniform and in true alignment.</p> <p>Heat sealing not uniform, continuous or complete.</p> <p>Any pucker, wrinkle or crease in seam joint.</p> <p>Adhesive not continuous, uniform and secure around perimeter of window (when applicable).</p> <p>Adhesive visible on outside of envelope.</p> <p>Gaskets do not coincide with their respective paired member.</p> <p>Adhesive does not form a continuous uniform pattern conforming to the shape of the gasket.</p> <p>Any gasket mounted at a point within 1 inch of the inside line of seam.</p> <p>Excessive adhesive extending beyond the perimeter of gasket.</p> <p>Any hole, cut, tear or otherwise impaired area.</p> <p>Any wrinkle, crease, scuff or other defect.</p> <p>Construction of bag not in true alignment</p> <p>Not clean.</p>
Marking	<p>Omitted, incomplete, incorrect, illegible, of improper size, color, location, sequence or method of application</p>

4.2.3.2 Examination of the end item for dimensional defects.

Examination shall be made to determine compliance with all dimensional requirements as set forth herein and as detailed in applicable drawings, with tolerance as indicated. Any dimension which is not in accordance with requirements shall constitute a defect (see 3.2.3)

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4.2.3.3 Examination of package. The sample unit for this examination shall be one shipping container fully packed, selected just prior to the closing operation. Shipping containers fully prepared for delivery shall be examined for closure defects.

Examine	Defect
Material	Any preservation or packing material or component not as specified.
Preservation (all levels)	Envelope not folded as specified; any sharp fold (see 5.1.1).
Level A only	Rolled dunnage material not furnished in sufficient quantity at line of fold to alleviate damage due to creasing of envelope.
Packing (all levels)	Envelopes not neatly and compactly stacked in container. Not specified or indicated quantity of envelopes per container. Unit pack not overpacked in exterior shipping container, when applicable, not specified or indicated number of unit packs per shipping container, when applicable.
Workmanship	Inadequate application of components, such as, incomplete or insecure sealing of case liner or container flaps; insufficient, loose or crooked strapping or tape banding, bulged or distorted container. Broken, bruised, crushed, or otherwise damaged shipping container.
Marking (Intermediate and shipping container, as applicable)	Omitted, incomplete, incorrect, illegible, of improper size, location, sequence or method of application.

4.2.3.4 Inspection levels and acceptable quality levels for examinations. The inspection levels for the purpose of determining the sample size and the acceptable quality levels (AQLs), expressed in percent defective units per 100 units shall be as follows

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Examination Paragraph	Inspection Level	AQL
4.2.3.1	I	2.5
4.2.3.2	I	2.5
4.2.3.3	S-2	6.5

4.3 Test conditions. Unless otherwise specified, tests shall be conducted at  $73 \pm 3.5^{\circ}\text{F}$  and  $50 \pm 5$  percent relative humidity. Waiver of this requirement may be permitted where proper conditioning facilities are not available for control testing. However, for referee purposes, the specified tests shall be conducted under the specified controlled atmospheric conditions.

4.4 Test methods.

4.4.1 The following tests shall be made, as applicable, in accordance with Federal Test Method Standard No. 101 or ASTM test methods

<u>Test</u>	<u>FTMS 101 Method No.</u>	<u>ASTM Method No.</u>
Heat-sealed seam test (seam strength test)	2024 <u>1/</u>	
Thickness of gaskets	1003	
Hardness of gaskets		D 2240

1/ For the seam strength test, specimens shall be 1 inch wide by 2-1/2 inches long and cut perpendicular to the specified seams. Specimens shall be taken from the following locations in the envelope:

- (a) One specimen from a point one inch below the open end of each vertical seam.
- (b) Three specimens from random points along each vertical seam.
- (c) Two specimens from random points along each horizontal seam.

4.4.2 Seam fabrication

4.4.2.1 Apparatus. The following items are required.

- a. Appropriate heat sealing equipment to seal the specimen into a bag.
- b. A water solution containing one percent Aerosol O.T. or equivalent and sufficient dye to produce a distinct color

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4.4.2.2 Test specimen The specimen(s) for the seam fabrication test shall be sections from the envelope approximately six inches by five inches containing the double seams and/or similar sections containing gathered seams if applicable.

4.4.2.3 Procedure. Form the specimen into a pouch by heat sealing along each 5-inch edge. Pour the water solution containing the dye into the pouch to a level two inches above the top of the bottom seam. Suspend the pouch vertically for 15 minutes. Remove the dye solution and examine the pouch for dye leakage at the double seam or gathered seam areas. All double seams and gathered seams present in the envelope construction shall be so tested.

4.4.3 Window mounting performance test.

4.4.3.1 Apparatus. The following items are required:

- a. A rigidly mounted mandrel 2 inches in diameter having a smooth surface.
- b. Appropriate heat sealing equipment to seal the specimen into a bag.
- c. A water solution containing one percent Aerosol O.T. and dye (see 4.4.2).

4.4.3.2 Test specimen. The test specimen shall be the window mounting taken from the envelope with enough surrounding barrier material to form a pouch. As a minimum, the surrounding barrier material shall extend four inches beyond all edges of the window mounting.

4.4.3.3 Test specimen conditioning. Prepare the specimen as follows:

- a. Bend one edge of the specimen 180° around the mandrel and slowly draw the entire specimen once through the 180° bend keeping two edges parallel throughout the procedure. Repeat this procedure with each of the four edges of the specimen. Turn the specimen over and repeat with the opposite face next to the mandrel. Visually inspect the bond, window, and gaskets for defects such as cracking, breaking, splitting or delamination.

4.4.3.4 Procedure. Fold the test specimen along the largest dimension with the interior of the window mounting on the inside. Form the specimen into a pouch by heat sealing the barrier material along the smaller edges. Pour dye solution into the pouch to a level one inch above the uppermost edge of the window mounting. Suspend the pouch vertically for 15 minutes. Remove the dye solution and examine the window mounting area for leakage.

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#### 4.4.4 Gasket performance test.

##### 4.4.4.1 Apparatus. The following items are required

- a. A wood block 6 by 6 by 3/4 inches thick with a hole drilled in the center. The diameter of the hole shall be equal to the inner diameter of the gasket.
- b. Appropriate heat sealing equipment to seal the specimen into a bag.
- c. A rigidly mounted mandrel 5/8 inch in diameter having a smooth surface.
- d. An appropriate air inlet valve and air pressure gage.
- e. A water tank in which to submerge the test assembly.
- f. Washers, nuts and a bolt as shown in figure 1.

4.4.4.2 Test specimen. The specimen for the gasket leakage test shall be one gasket assembly removed from the envelope with sufficient surrounding material from the sample unit to subsequently form a bag.

4.4.4.3 Preparation. Bend one edge of the test specimen 180° around the mandrel. Draw the complete specimen through the 180° bend keeping the two edges of the specimen parallel throughout. Repeat this procedure with each of the four edges of the specimen. Turn the specimen over and repeat with the opposite face next to the mandrel. Inspect the gaskets for defects such as cracking, breaking or splitting and inspect the barrier material for such defects as delamination or breaking. Assemble a test specimen as shown in figure 1. The bolt shall be tightened until the gasket is evenly compressed. A pouch shall then be formed as shown in figure 1 by heat sealing.

4.4.5 Procedure. If the barrier material has a scrim-back, add a wetting agent (Aerosol O.T. or equivalent) to the water in the test tank. Slowly inject compressed air into the test assembly until a minimum of 2 psi internal pressure differential is reached. Submerge the inflated container in the tank of water. Observe for any indication of gasket leakage (a steady stream or recurring succession of bubbles).

4.4.6 Lot rejection criteria. If a test specimen fails to comply within the limits of the test requirements stipulated in this specification, the lot represented by the sample shall be rejected.

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## 5 PACKAGING

5.1 Preservation. Preservation shall be level A or industrial as specified (see 6.2).

5.1.1 Level A. Envelopes shall be folded from the bottom to the top in approximately 12-inch folds, except that a fold shall not occur within 3 inches of a line of gaskets. Care shall be taken not to fold the material sharply. Enough rolled dunnage material shall be placed at the line of all folds to alleviate damage due to creasing. Unless otherwise specified, not more than six envelopes shall be packaged in a fiberboard box conforming to PPP-B-636.

5.1.2 Industrial. Envelopes shall be preserved in accordance with the requirements in MIL-STD-1188.

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

5.2.1 Level A. Envelopes, preserved as specified in 5.1, shall be packed in a close fitting wood box conforming to PPP-B-601, overseas type or PPP-B-621, overseas type. Enclosure shall be in accordance with the appendix of the applicable specification.

5.2.2 Level B. Envelopes, preserved as specified in 5.1, shall be packed in a snug fitting fiberboard shipping container conforming to PPP-B-636, type CF, class weather-resistant, grade V3c or type SF, class weather-resistant, grade V3s. Enclosure shall be in accordance with the appendix of PPP-B-636.

5.2.3 Industrial. Unit packs shall be packed in accordance with the requirements of MIL-STD-1188.

5.3 Marking. Marking of shipments shall be for levels A or B or industrial.

5.3.1 Levels A or B. Marking shall be in accordance with the requirements of MIL-STD-129.

5.3.2 Industrial. Marking shall be in accordance with the requirements of MIL-STD-1188.

## 6 NOTES

6.1 Intended use. The envelope described herein is intended for packaging of items requiring maximum protection from watervapor penetration, specifically, for floating bag applications, for packaging of items requiring envelopes having any two dimensions each exceeding 36 inches, or for packages containing inspection windows.

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6.2  
the following:

Ordering data. Acquisition documents should specify

- a. Title, number, and date of this specification.
- b. Applicable part number of envelope if covered by a drawing.
- c. Requirements for size, shape and construction, if there is no drawing.
- d. Quantity.
- e. If inspection windows or gaskets are required, so state and specify exact location if there is no drawing (see 3.5, 3.6 and 6.2c)
- f. Preservation and packing levels (see 5.1 and 5.2).
- g. Quantity per unit pack, if other than 6 envelopes (see 5.1.1).
- h. If lot size is less than ten, state the type of quality conformance required (see 1/ 4 2.2).

6.3 Changes from the previous issue Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Custodians:

Army - GL  
Navy - AS  
Air Force - 69

Preparing activity:

Navy - AS  
(Project No. 8105-0275)

Review activities

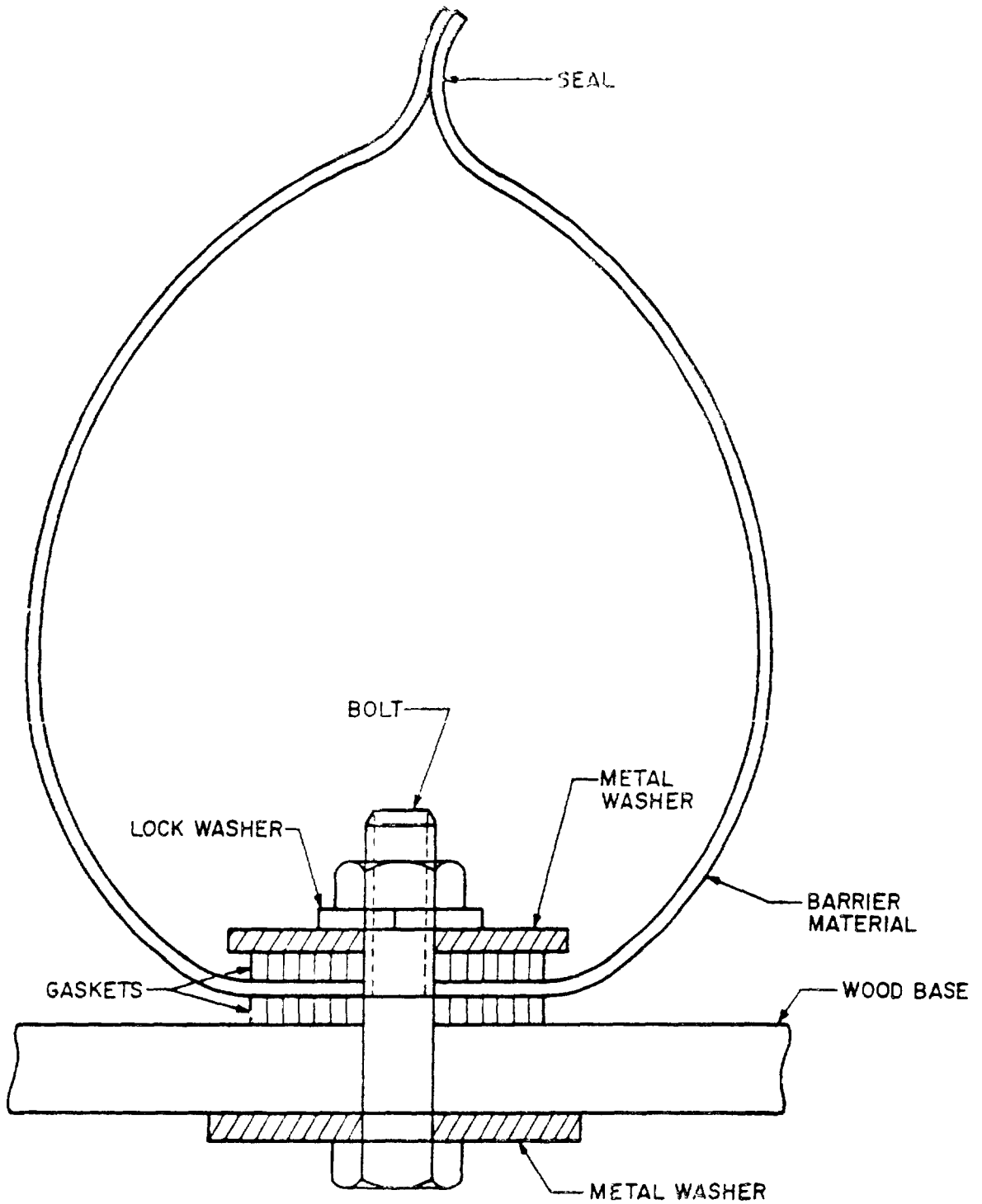
Army - AV, CR  
Air Force - 99

User activities.

Army - ER, ME, AR  
Navy - MC, OS



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NOTE SIZES OF BOLT AND WASHERS SHALL BE APPROPRIATE FOR  
INSIDE DIAMETER OF GASKET UNDER TEST

FIGURE 1. Gasket performance test assembly

**INSTRUCTIONS.** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE** This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification 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.

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DEPARTMENT OF THE NAVY



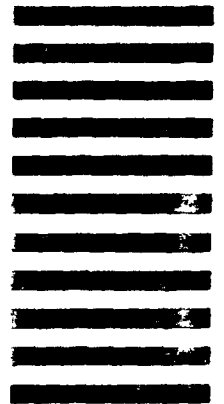
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## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

*(See Instructions - Reverse Side)*

1. DOCUMENT NUMBER

2. DOCUMENT TITLE

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)