

C-72-60

MIL-M-18351F(SH)  
 22 April 1981  
 SUPERSEDING  
 MIL-M-18351E(SHIPS)  
 4 January 1972  
 (See 6.5)

## MILITARY SPECIFICATION

MATTRESSES AND MATTRESS TICKS, BERTH, SYNTHETIC CELLULAR RUBBER,  
 NAVAL SHIPBOARD

This specification is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

## 1. SCOPE

1.1 Scope. This specification covers low smoke polychloroprene foam rubber berth mattresses for shipboard use, with removable treated cotton tick. Replacement ticks may be acquired separately (see 3.2.5).

1.2 Classification. Mattresses shall be of the following types and sizes, as specified (see table I and 6.2.1):

Surface ships

- Type I - Crew
  - Size 1
  - Size 2
  - Size 3
- Type II - CPO
  - Size 1
  - Size 2
- Type III - Officer
  - Size 1 - (also for hospital berths)
  - Size 2
  - Size 3
  - Size 4

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 3112, Department of the Navy, Washington, DC 20362 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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Submarines

Type IV - Crew

Size 1

Size 2

Type V - CPO and officers

## 2. APPLICABLE DOCUMENTS

2.1 Issues of documents. The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

## SPECIFICATIONS

## FEDERAL

V-T-276 - Thread, Cotton.

UU-P-31 - Paper; General Specifications and Methods of Testing.

CCC-C-436 - Cloth, Ticking Twill, Cotton.

PPP-B-636 - Box, Shipping, Fiberboard.

## MILITARY

MIL-F-10884 - Fasteners, Snap.

MIL-R-20092 - Rubber Sheets and Assembled and Molded Shapes, Cellular, Synthetic Open Cell (Foamed Latex).

## 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.

(Copies of specifications, standards, drawings, and publications required by contractors 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 documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC. AGENT  
National Motor Freight Classification

(Application for copies should be addressed to the National Motor Freight Traffic Association, Inc., ATA TRAFFIC Dept., 1616 "P" Street, N.W., Washington, DC 20036.)

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## UNIFORM CLASSIFICATION COMMITTEE AGENT

## Uniform Freight Classification Ratings, Rules and Regulations

(Application for copies should be addressed to the Uniform Classification Committee Agent, Tariff Publication Officer, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

(Technical society and technical association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

## 3. REQUIREMENTS

3.1 First article. When specified (see 6.2.1), the contractor shall furnish unit(s) for first article inspection and approval (see 4.2 and 6.3).

3.2 Construction.3.2.1 Mattress inserts.

3.2.1.1 Mattress inserts shall be constructed of synthetic cellular rubber conforming to type I or type II, class 5, medium firm condition of MIL-R-20092. Mattress inserts may be molded in one piece, or may be assembled by laminating to achieve thickness, and by butting to achieve width or length. However, not more than four butt joints per mattress shall be permitted; two along the width, and two along the length. When type II inserts are used, the test requirements and test methods of type I shall apply.

3.2.1.2 All uncored surfaces shall have a flat surface. An acceptable coring arrangement is shown on figure 1. Alternate methods of coring which will produce the same compression ratio and not exceed the maximum weight specified in table I will be acceptable. Where laminated assembly is employed to achieve thickness of type I material, mattress inserts shall be assembled with the cored surfaces cemented together.

3.2.1.3 All 12 edges of the mattress shall be covered with a fire-resistant, pressure-sensitive adhesive tape, 2 inches wide, in accordance with 3.2.3. The tape shall be centered on each edge.

3.2.1.4 The mattress insert shall be sized by the manufacturer so that the mattress tick will fit as required by 3.2.5, and the complete unit (mattress insert and tick) will comply with the sizes specified in table I.