

INCH-POUND

A-A-59203  
06 April 1998  
SUPERSEDING  
MIL-P-13607B  
16 December 1975

COMMERCIAL ITEM DESCRIPTION  
PADDING MATERIAL, RESILIENT

The General Services Administration has authorized the use of this commercial item description as a replacement of MIL-P-13607 for all federal agencies.

1. SCOPE. This CID covers the general requirements for two types of padding materials used in packaging ammunition. This material is used to fill gaps, adjust fit, and prevent motion of ammunition inside watertight containers.

2. CLASSIFICATION. The padding materials shall be of the following types:

Type I - Flexible  
Type II - Non-flexible

3. SALIENT CHARACTERISTICS.

3.1 Form. The padding material shall be supplied as flat sheets, rolls or cut sizes as specified in the contract or order(see 7.1).

3.2 Dimensions.

3.2.1 Thickness. The thickness and tolerance of the padding material shall be as specified in the contract or order(see 7.1).

3.2.2 Widths and Lengths. The width and length of rolls and sheets shall be as specified in the contract or order(see 7.1). A tolerance of plus or minus( $\pm$ ) 1/4 inch shall be permitted on the width of rolls or sheets. The length of any individual roll or sheet shall be not less than the specified length.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, US Army TACOM-ARDEC, Attn.: AMSTA-AR-EDE-S, Bldg. 12, Picatinny Arsenal, NJ 07806-5000 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8140

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A-A-59203

3.2.3 Cut sizes. The dimensions and tolerances of cut sizes shall be as specified in the contract or order.

3.3 Operating temperatures. The padding material shall meet the requirements of this CID for tensile strength, compression strength, compression set, flexibility and compatibility at temperatures ranging from -65°F through 160°F.

3.4 Tensile Strength. The padding material shall have a specific strength of 100 pounds per square inch (psi) minimum at 70°F.

3.5 Compression Strength. The load required to compress the padding material 25 percent shall be  $5.5 \pm 2.0$  psi. The load required to compress the padding material 50 percent shall be  $58 \pm 19$  psi. The compression strength at -65°F and at 160°F shall not differ from each other by more than one-half of the compression strength obtained at 70°F.

3.6 Compression Set. The padding material shall return to not less than 89 percent of its original height after having been subjected to 50 percent compression at 70°F. The padding material shall return to not less than 85 percent of its original height after being subjected to 50 percent compression at -65°F and at 160°F.

3.7 Flexibility. The Type I padding material shall withstand a 180 degree bend in both directions without cracking, tearing or de-laminating at 70°F.

3.8 Compatibility Properties. The padding material shall have no adverse affect on aluminum, brass, steel, zinc, enamel and varnish. The padding material shall not adhere or transfer any material to steel surfaces. The padding material shall not tarnish or corrode aluminum, brass, steel and zinc. A slight even stain on the test panels, which is the same size as the padding material specimen shall not be considered defective. The padding material shall not deteriorate alkyd-styrene enamel or phenolic varnish. The padding material shall not cause softening, tackiness, adhesion or transference of the coating to the padding material.

3.9 Acidity and alkalinity. The padding material shall have a pH value of  $7.0 \pm 1.0$ .

3.10 Dusting. The padding material shall have a maximum weight loss of 0.05 percent due to dusting.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered material to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

## 5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5.2 Product testing. The padding material provided shall be tested in accordance with industry standard practices for the material. The Government reserves the right to perform any of the tests to verify that the padding material complies with the requirements.

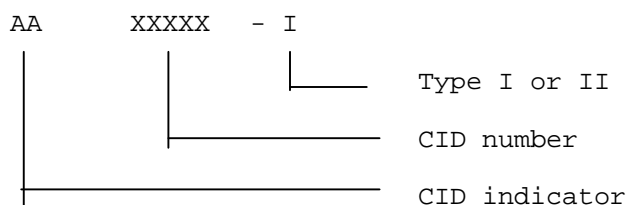
6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

## 7. NOTES.

7.1 Ordering data. Procurement documents should also specify the following:

- a. Title, number and date of this CID.
- b. Type required (see 2.0).
- c. Whether flat sheets, rolls or cut sizes are to be furnished (see 3.1).
- d. Dimensions of rolls, flat sheets or cut sizes (see 3.2).
- e. Packaging and marking requirements (see 6).

7.2 Part Identification Number (PIN). This PIN is for government purposes only and is not a requirement for the contractor. The PIN's to be used for items described by this CID are created as follows:



7.3 Source of documents. The Code of Federal Regulations (CFR) is available by mail order from the Superintendent of Documents, ATTN: New Order, PO Box 371954, Pittsburgh, PA 15250-7954

7.4 Keywords.

Packaging  
Ammunition

MILITARY INTERESTS:

Custodians  
Army-AR

Review Activities  
Army - EA

CIVIL AGENCY COORDINATING ACTIVITY:  
GSA-FSS

Preparing Activity:  
Army-AR

Project 8140-0186

# 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-59203

2. DOCUMENT DATE (YYMMDD)  
980406

3. DOCUMENT TITLE **PADDING MATERIAL, RESILIENT**

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

MR GARY VANDER SAND

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c. ADDRESS *(Include Zip Code)*

US ARMY TACOM-ARDEC  
ATTN; AMSTA-AR-EDE-S, BLDG 12  
PICATINNEY ARSENAL, NJ 07806-5000

**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:**

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