

INCH-POUND

A-A-52071

April 25, 1990

## COMMERCIAL ITEM DESCRIPTION

## TAPE, TEXTILE, COTTON, GENERAL PURPOSE

The General Services Administration has authorized the use of this commercial item description in preference to DDD-T-86.

## 1. CLASSIFICATION

1.1 Classification. This commercial item description covers tapes in the following types and classes as specified (see 5.2):

Type I	- Stay bindings, herringbone twill weave
Type II	- Bindings, plain weave
Class 1	- Unbleached
Class 2	- Bleached
Class 3	- Dyed

## 2. SALIENT CHARACTERISTICS

2.1 Description. The tape shall be fabricated from cotton yarns. The tapes shall be woven on shuttle or shuttleless looms.

2.2 Dyeing. The colored tape shall be yarn, stock, or piece dyed.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to:  
Commander, U.S. Army Natick Research, Development, and Engineering Center,  
ATTN: STRNC-ES, Natick MA 01760-5014.

AMSC N/A

FSC 8315

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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2.3 Nonfibrous material. The starch and protein content shall not exceed 10.0 percent for class 1 tape; 2.5 percent for class 2 tape; and 4.0 percent for class 3 tape.

2.4 Dimensional stability. When specified (see 5.2), the classes 1, 2 and 3 tape shall be preshrunk and shall not shrink more than 4.0 percent in the direction of the warp.

2.5 Curvature. The finished type I, shuttleless loom tape, shall show no more lateral curvature than 1/4 inch within a yard.

2.6 Weave.

2.6.1 Type I. The weave shall be two up and two down single or multiple herringbone twill with one or more reversals of the twill across the width of the tape. Shuttle loom tape shall have a woven edge on both sides. For shuttleless loom tape, the filling shall traverse the full width of the tape and shall be held at the edge by an extra catch-cord end interlacing with the filling yarn.

2.6.2 Type II. The weave shall be plain. The shuttle loom tape shall have a woven edge on both sides. For shuttleless loom tape, the filling shall traverse the full width of the tape and shall be held at the edge by an extra catch-cord end interlacing with the filling yarn.

2.7 Physical requirements. The physical requirements of the tape shall conform to the requirements as specified in table I.

TABLE I. Physical requirements

Type	Width $\frac{1}{2}$ (inches)	Warp strength (pounds min.)	Filling yarns (picks per inch) (min.) $\frac{2}{2}$
I	3/16	22	58
I	1/4	25	38
I	3/8	30	38
I	1/2	42	38
I	5/8	50	38
I	3/4	65	38
I	7/8	80	38
I	1	85	38
I	1-1/8	95	38
I	1-1/4	115	38
I	1-1/2	130	38
II	3/16	14	28
II	1/4	18	28
II	3/8	24	28
II	1/2	35	28

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- 1/ Tolerance for all types shall be  $\pm 1/32$  inch except for type I, 1-1/8 through 1-1/2 inch widths, the tolerance shall be  $\pm 1/16$ , - 1/32 inch.
- 2/ If woven on a shuttleless loom, then the minimum picks required shall be doubled resulting in two picks per shed.

2.8 Put-up. The tape shall be wound on standard commercial spools containing  $720 \pm 10$  yards for 1/4 inch through 1 inch widths, and  $504 \pm 10$  yards for 1-1/8 inch through 1-1/2 inch widths.

2.9 Fiber identification. Each spool or package of tape shall be labeled or ticketed for fiber content in accordance with the Textile Fiber Products Identification Act.

### 3. QUALITY ASSURANCE

3.1 Certification. The contractor shall certify, and maintain substantiating evidence, that the product offered meets the salient characteristics and requirements of this 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.

### 4. PACKAGING

4.1 Packaging. Tape, put up as specified, shall be packaged in a snug-fitting, clear plastic bag conforming to A-A-1668. The quantity of rolls shall not exceed 12, nor shall the height of the stacked rolls exceed 12 inches. When specified, each roll shall be individually packaged.

4.2 Packing. Tape shall be stacked in a snug-fitting fiberboard shipping container conforming to style RSC, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636. Each shipping container shall be closed in accordance with the appendix of PPP-B-636. The weight of the contents of each shipping container shall not exceed 65 pounds.

4.3 Palletization. When specified (see 5.2), shipping containers shall be palletized in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C and D or film bonding means F or G. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

4.4 Marking. Marking shall be in accordance with MIL-STD-129.

### 5. NOTES

5.1 Intended use. The tapes are used as bindings in the fabrication of clothing and other textile items. Type I, 1/2 inch tape is used as a backseam tape in footwear items.

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## 5.2 Ordering data.

- a. Title, number, and date of this document.
- b. Type and class required (see 1.1).
- c. When class 1, 2 or 3 preshrunk tape is required (see 2.4).
- d. When palletization is required (see 4.3).

## 5.3 Sources of documents.

5.3.1 Sources of government documents. Copies of Military and Federal documents are available from:

Standardization Documents Order Desk  
Building 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

### MILITARY INTERESTS:

#### Custodians

Army - GL  
Navy - NU  
Air Force - 99

#### Review activities

Army - MD, EA  
Navy - MC  
Air Force - 11, 82  
DLA - CT

#### User activities

Navy - OS  
Air Force - 45  
DLA - DM

### CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS  
HHS - HSM  
NASA - JFK

#### PREPARING ACTIVITY:

Army - GL

Project 8315-0345