

[METRIC]

A-A-113D
December 4, 1996
SUPERSEDING
A-A-113C
February 15, 1989

COMMERCIAL ITEM DESCRIPTION

TAPE, PRESSURE-SENSITIVE ADHESIVE

The General Services Administration has authorized the use of this commercial item description as a replacement for Federal Specification L-T-90 which has been canceled.

1. Scope: This commercial item description covers transparent and colored pressure-sensitive adhesive tape which is intended for temporary mending and attaching, temporary identification, charting and decorating. Type II class A tape is for long-lasting mending purposes and may be copied by standard reproducing methods, as well as accepting typed or written characters.

2. Classification: This description covers transparent and colored pressure-sensitive tape of the following types and classes:

Type I - Glossy finish.

Class A - Transparent cellulose acetate, polyolefin, or unplasticized polyvinyl chloride film backing.

Class B - Colored cellulose acetate, polyolefin, or unplasticized polyvinyl chloride film backing furnished in red, white, black, medium green, yellow, medium blue, orange and dark blue.

Type II - Matte finish.

Class A - Transparent cellulose acetate or polyolefin backing.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: General Services Administration, Federal Supply Service, 26 Federal Plaza, New York, NY 10278 ATTN.: Engineering Branch (2FYE).

FSC 7510

A-A-113D**3. Salient Characteristics:**

The tape shall comply with the requirements of Table I when tested with the appropriate test procedure. The tape shall be furnished in the length, width, and tolerance as stated in the contract or ordering document.

TABLE I

<u>Type I & Type II</u>	<u>Class A</u>	<u>Class B</u>	<u>Test Method</u>
Tensile (minimum)	175 N/100 mm (10 lb/in width)	210 N/100 mm (12 lb/in width)	ASTM D 3759M
Adhesion (minimum) Initial	13 N/100 mm (12 oz/in width)	22 N/100 mm (20 oz/in width)	ASTM D 3330M Method A
After accelerated aging by ASTM D 3611 (minimum)	13 N/100 mm (12 oz/in width)	22 N/100 mm (20 oz/in width)	ASTM D 3330M* Method A
Unwind (maximum) Initial	32 N/100 mm (30 oz/in width)	32 N/100 mm (30 oz/in width)	ASTM D 3811M
After accelerated aging by ASTM D 3611** (maximum)	32 N/100 mm (30 oz/in width)	32 N/100 mm (30 oz/in width)	ASTM D 3811M*
Mending stability (Type II)	--	No adherence	# <u>1</u> /

*Before and after accelerated aging, remove three, but no more than four, outer layers. If the tape tears or breaks while outer layers are being unwound or unrolled, the roll shall be considered defective. The tape shall be capable of being unwound at a rate of 50 - 76 cm. (20-30 in.) per second without adhesive offsetting, stringiness, nor the backing tearing or delaminating. When tested as described in Method A of ASTM D 3330M, the above adhesion requirements shall be met.

** Unwind test after accelerated aging does not apply to cellophane tape.

#1/ Mending stability. Place two 1 X 10 cm (1/2 X 4 in.) strips of tape, adhesive side down, parallel to another, and separated by 5 cm (2 in.) on dual purpose copy paper cut to 10 X 10 cm (4 X 4 in.). Place a similar piece of copy paper against the backing of the tape. Roll once in each direction with a rubber covered roller such as described in ASTM D 3330M. Place the paper and tape between two glass plates that are 0.6 X 10 X 10 cm (1/4 X 4 X 4 in.). Place the assembly in a vessel containing a saturated solution at 66 degrees C. (150 degrees F) of ammonium sulfate such as described in ASTM D 3611.

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Add 1000 gram mass on top of the assembly of glass, plates, paper, and tape. Close the vessel and place in an air circulating oven maintained at 66 degrees C. (150 degrees F.) for 72 hours. Remove the vessel from oven and then the assembly from the vessel. Allow to cool to standard conditions, as described in ASTM D 4332, under pressure of the 1000 gram mass for two hours. Remove the plates and separate the sheets of copy paper. Determine whether the top sheet readily separates from the bottom sheet to which the tape is applied. Adherence of paper is indicated by pulling off fibers from the top sheet. Type II tape shall not cause the sheets of bond paper to adhere together.

Workmanship. The tape shall be uniformly constructed and free from defects which may impair the utility of the material for the intended use. The adhesive shall be coated in a smooth uniform layer over the entire surface of one side of the tape backing. The tape shall be evenly and tightly wound with no voids. The edges shall be clean cut. When unwound, the tape shall not tear nor shall the adhesive separate from the backing.

3. 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).

4. Quality Assurance

4.1 Product Conformance: The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, 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.

4.2 Sampling for Examination and Testing shall be in accordance with Section 6 of ASTM D 3715M with an AQL of 4 percent defective. The sample unit shall be one roll of tape. The sample unit for preservation, packing, and marking shall be one fully prepared shipping container.

5. Packaging.

Preservation, packing and marking of the tapes shall be as specified in the contract or purchase order.

6. Application for copies of technical documents referenced herein:

The issue date in effect on date of invitation for bids or request for proposal shall be apply.

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ASTM standard test methods can be obtained from the American Society for Testing and Materials; 1916 Race Street; Philadelphia, PA 19103.

The Federal Acquisition Regulations (FAR) are available from the Government Printing Office, Washington, D.C. Phone (202) 512-1800.

7. Notes.

7.1 Ordering Data - Purchasers should specify:

- a. Type and class
- b. Length and width
- c. Color
- d. Preservation, packing and marking.

7.2 National Stock Number Listing:

7510-00-082-2520	7510-00-082-2521	7510-00-234-7960
7510-00-551-9816	7510-00-551-9817	7510-00-551-9818
7510-00-551-9819	7510-00-551-9820	7510-00-551-9821
7510-00-551-9822	7510-00-551-9823	7510-00-551-9824
7510-00-551-9825	7510-00-551-9826	7510-00-684-8803
7510-00-813-4951	7510-00-813-4952	7510-00-558-1519
7510-00-724-7002	7510-00-835-1247	7510-01-361-3612
7510-01-416-8855	7510-01-416-8856	7510-01-416-8857
7510-01-416-8859		

Military Interests:

No official DOD interest
has been registered

Preparing Activity:

GSA - FSS