



PIA T 6134A
15 September 2003

Superseding
PIA T 6134
24 January 1998

The following commercial specification is adopted from the military document. Revision A included all known accepted revisions, amendments, notices, and Department of Defense (DOD) engineering changes previously developed for this item. Revisions B and later include changes adopted by DOD and Industry to reflect technology and design evolution.

Note: Although many military quality and inspection specifications, drawings and standards have been discontinued or deleted, most have been replaced by industry and commercial documents. When the specification refers to a discontinued or deleted document, you should refer to the procurement document or your contracting officer for guidance.

SPECIAL NOTICE: PIA Revision A contained KNOWN revisions accepted by DOD but never published. There could be other changes, but the records are not available. PIA Revision B reflects actual manufacturers requesting inclusion as surveyed by PIA. Additional interested parties should contact PIA, as noted herein, for assignment of an identification code and listing in future revisions.

TAPE, TEXTILE, NYLON, PARACHUTE CONSTRUCTION

The Parachute Industry Association makes this document available for use by Industry and Government organizations that wish to apply this specification to their products.

1. SCOPE

1.1 Scope. This specification covers three types of nylon tape.

1.2 Classification. The tapes shall be of the following types, as specified (see 6.2):

Type I
Type II
Type III

2. APPLICABLE DOCUMENTS

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

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SPECIFICATIONS

Federal

FED-STD-191

Textile Test Methods

Military

MIL-W-43334

Webbing And Tape, Textile, Packaging
And Packing Of

STANDARDS

Military

MIL-STD-105

Sampling Procedures And Tables For
Inspection By Attributes

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

3. REQUIREMENTS

3.1 First article. Unless otherwise specified (see 6.2), before production is commenced, a sample of the finished item shall be submitted or made ready for the contracting officer or his authorized representative for inspection as specified in 4.2. The approval of the preproduction sample authorizes the commencement of production but does not relieve the supplier of responsibility for compliance with all applicable provisions of this specification. The preproduction sample shall be manufactured by the supplier in the same facilities to be used for the manufacture of the production items.

* 3.2 Materials.

* 3.2.1 Yarns. The nylon yarn used in the manufacture of the tape shall be a polyamide prepared from hexamethylene diamine and adipic acid or its derivatives. It shall have a minimum melting point of 472° Fahrenheit (F).

3.2.2 Warp yarn. The warp yarn used for all types shall be 210-denier, high tenacity, bright filament nylon prior to dyeing.

3.2.3 Filling yarn. The filling yarn shall be as follows:

- a. Type I – Spun nylon of 20/2 or 10/1 yarn number ±5 percent (cotton system), spun polyester of 12/1 yarn number ±5 percent (cotton system), or 985 denier bulked nylon. The filling yarn breaking strength shall be a minimum of 4.75 pounds when tested as specified in 4.3.1.
- b. Type II – Spun nylon or polyester of 60/2 or 30/1 yarn number ±5 percent (cotton system). The filling yarn breaking strength shall be a minimum of 0.90 pounds when tested as specified in 4.3.1.
- c. Type III – Nylon filament 840/140 denier. The filling yarn breaking strength shall be a minimum of 4.75 pounds when tested as specified in 4.3.1.