



**PIA-T-43709**  
08 January 2009

**Renamed from**  
**MIL-T-43709B**  
13 November 1990

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

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## **TAPE, TEXTILE, ARAMID**

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 one type of aramid nylon tape.

### **2. APPLICABLE DOCUMENTS**

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

### **SPECIFICATIONS**

#### **MILITARY**

MIL-P-43334 - Packaging of Textile Webbing and Tape

### **STANDARDS**

#### **FEDERAL**

FED-STD-191 - Textile Test Methods

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## MILITARY

### MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

#### Rules and Regulations Under the Textile Fiber Products Identification Act

(Copies are available from the Federal Trade Commission, Correspondence Branch, Pennsylvania Avenue at Sixth Street, N.W., Washington, DC 20580-0001.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

## 3. REQUIREMENTS

3.1 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3) in accordance with 4.3.

3.2 Standard sample. The dyed tape shall match the standard sample for shade and shall be equal to or better than the standard sample with respect to all characteristics for which the standard sample is referenced (see 6.4).

3.3 Material. It is encouraged that recycled material be used when practical as long as it meets the requirements of this document.

3.3.1 Yarn. The yarn for the warp and filling shall be made from an approved bright, multi-filament, aramid polyamide (see 6.5), nominal denier of 200 (22 tex) warp and 2-ply, 200 (22 tex) filling. The yarn shall not char at a temperature less than 675°F. The final ply of the filling yarn shall have a minimum of 2 ½ turns per inch. Testing shall be as specified in 4.4.3.

3.4 Color. Unless otherwise specified (see 6.2), the color of the tape shall be Olive Green 106 or Sage Green 1565 as specified and shall match the standard sample. The color shall be obtained by the use of melt spun solution dyed fiber.

3.4.1 Matching. The color of the finished tape shall match the standard sample when viewed under filtered tungsten lamps that approximate artificial daylight and that have a