



PIA-C-44378B
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Superseding
PIA-C-44378A
01 March 1998

The following commercial specification is originally adopted from the military documents. Revision A included all known accepted revisions, amendments, notices, and Department of Defense (DOD) engineering changes previously developed for this item. Revision B includes 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military quality and inspection specifications, drawings and standards have been discontinued or deleted, most have been replaced by industry and commercial documents.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.

CLOTH, PARACHUTE, NYLON, LOW PERMEABILITY

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 four types of nylon cloth for use in the fabrication of parachutes.

* 1.2 **Classification.** The nylon cloth shall be of the following types as specified (see 6.2).

Type I – 1.17 oz/sq. yd (0.5-5.0 cfm air permeability) – Rip stop weave
 Type II – 1.17 oz/sq. yd (30-50 cfm air permeability) - Rip stop weave
 Type III – 1.17 oz/sq. yd (30-50 cfm air permeability) - Rip stop weave
 Type IV – 1.17 oz/sq. yd (0.5-3.0 cfm air permeability) – Rip stop weave

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 6.1.2).

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 Phone: 847-674-9742 Fax: 847-674-9743.

STANDARDS

FEDERAL

FED-STD-191 – Test Methods
FED-STD-595 — Colors

* INDUSTRY

Reference applicable test method per the “Handbook on Conversion of Federal Test Method Standard No. 191A to Commercial Test Methods.” Available from the Parachute Industry Association.

PIA-STD-851 — Coding; Weaver’s Color, Nylon Parachute Cloth. This will be a new weaver’s identification yarn system using all black nylon or polyester yarns.

* COMMERCIAL

AATCC Technical Manual
Application for copies should be addressed to: American Association of Textile Chemists and Colorists, P.O.Box 12215, Research Triangle Park, NC 27719-2215.

ASTM, Section 7, Textiles, “Annual Book of ASTM Standards.”
Application for copies should be addressed to: American Society for Testing Materials, 100 Barr Harbour Drive, West Conshohocken, PA 19428.

ANSI/ASQ Z1.4 – “Sampling Procedures and Tables for Inspection by Attributes.” Application for copies should be addressed to: American National Standards Institute, 11 West 42nd Street, New York, NY 10036-8002.

PIA Specifications, Standards, and drawings are available at: <http://www.pia.com> or from the PIA Headquarters, Specification Committee; 3833 W. Oakton St.; Skokie, IL 60076; Phone-847-674-9742; Fax-847-674-9743.

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120- 5099.)

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.

FEDERAL TRADE COMMISSION

Rules and Regulations Under the Textile Fiber Products Identification Act
(Copies are available from the Federal Trade Commission, Pennsylvania Avenue at Sixth Street, N. W., Washington, DC 20580.)