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Superseding

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The following commercial specification is adopted from the military document. Initial and Revision A included 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.

CLOTH, PARACHUTE, 240-PERMEABILITY; FOR USE WITH UNDERWATER ORDNANCE

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 parachute cloth having the weave pattern indicated in figure 1 and an air permeability of 240 cubic feet per minute per square foot of cloth. It is intended for use with underwater ordnance.

1.2 Classification. The parachute cloth shall be of the following types and classes, as specified (see 6.1).

- Type I - Nylon
- Type II - Saponified Acetate
- Class A - 4.0 ounce
- Class B - 8.0 ounce
- Class C - 10.0 ounce

2. APPLICABLE DOCUMENTS

2.1 Issues of documents. The following documents of the issues in effect on date of invitation for bids or request for proposals form a part of this specification to the extent specified herein. In the event of conflict between this specification and other documents referenced herein, requirements of this specification shall apply.

SPECIFICATIONS

STANDARDS

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FEDERAL

- FED-STD-4 - Glossary of Fabric Imperfections
- FED-STD-191 - Textile Test Methods
- FED-STD-802 - Packaging And Packing of Synthetic Fiber Fabrics

MILITARY

- MIL-STD-129 - Marking for Shipment and Storage

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

3. REQUIREMENTS

3.1 Materials.

3.1.1 Type I. The material used in type I cloth shall be a high-tenacity multifilament nylon yarn of the proper size to meet the applicable requirements of this specification.

3.1.2 Type II. The material used in type II cloth shall be a continuous multifilament saponified oriented cellulose acetate yarn of the proper size to meet the applicable requirements of this specification.

3.2 Finish. The finished cloth shall be smooth and even and shall not contain sizing, lubricating, or weighting materials. The pH of the water extract shall be in the range from 4.5 to 8.5.

3.3 Color.

3.3.1 Camouflaging. When camouflaging is specified (see 6.1) the pattern and colors shall be in exact accordance with samples or instructions supplied by the procuring activity. Colors shall show good fastness to salt water.

3.3.2 Unless otherwise specified (see 6.1), no coloring matter of any sort shall be added to the yarn or cloth.

3.4 Stability. Air permeability shall be within the limits specified in table I, the thickness shall not increase more than 10 percent, and the cloth shall have a shrinkage and not more than 2 percent in the warp or 1 percent in the filling.

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