

**[INCH-POUND]  
A-A-59467  
June 16, 1999**

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## COMMERCIAL ITEM DESCRIPTION

### WEBBING, TEXTILE, WOVEN, POLYPROPYLENE

The General Services Administration has authorized the use of this commercial item description.

1. SCOPE. The webbing covered by this document is intended for use in airdrop systems. The maximum payload shall be 2200 lbs.
2. SALIENT CHARACTERISTICS. The webbing shall be one width , 2 inches in width (+/- 1/8), have a thickness between .090 to .130 inches, and have a tensile strength of 4,700lbs. Minimum.
3. Materials The webbing shall be made with 100% Polypropylene.

#### 3.2 Construction

3.2.1 Construction of Webbing, Textile, Woven Polypropylene. The webbing shall meet all the requirements listed in paragraph 3.3. A successful construction that has been used before is as noted in Paragraph 7.3.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP-COCT, 700 Robbins Avenue, Philadelphia, PA 19111-5096.
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AMSC N/A

FSC 8315

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3.3 Physical Requirements. The polypropylene webbing shall conform to the requirements stated below.

<u>Characteristic</u>	<u>Requirement</u>	<u>Test Method</u>
Width	2 in $\pm$ 1/8	ASTM-D-3774 <u>1/</u>
Thickness	.090 to .130 inches	ASTM-D-1777 <u>2/</u>
Weight	1.4 to 1.8 Oz/yard	ASTM-D-3776 <u>3/</u> Option C
Tensile Strength	4700lbs (min)	ASTM-D-5035 <u>4/</u>
Ultra-Violet Protection	1200 hours (min)	ASTM-D-3218 <u>5/</u>
Elongation	11% to 15% (At the break)	ASTM-D-5035
Abrasion	see para. 3.5	5309 <u>6/</u>
Tensile Strength after Abrasion	no less than 80% of original Tensile	ASTM-D-5035

1/ ASTM-D-3774, Width of Textile Fabric

2/ ASTM-D-1777, Measuring Thickness of Textile Material

3/ ASTM-D-3776, Weight of Textile Materials, Small specimen method

4/ ASTM-D-5035, Breaking Force and Elongation of Textile Fabrics (strip method)

5/ ASTM-D-3218, Standard Specifications for Polyolefin monofilaments

6/ FED-STD 191, Federal Standard for Textile Test Methods - Standard Test Method 5309, Abrasion Resistance of Textile Webbing

3.4 Colors. The color shall be white or as specified in the contract or purchase order.

#### 4. REGULATORY REQUIREMENTS

4.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

#### 5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, and shall conform to the producer's own drawings, specifications, standards and quality assurance practices. The Government reserves the right to require proof of such conformance.

5.2 Visual examination. The webbing shall be examined for the defects listed below.

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5.2.1 Defects. Any hole, cut, or tear; broken or missing yarn; smash; float, mispick, harness skip, or other misweave; open or thin place, crack (warp or filling); knot or slub; loose, slack, or tight yarns; reed mark, wrong draw; abrasion mark, bruise, tender or weak spot; embedded crease or wrinkle; selvage cut, torn, folded, rolled, slack, or tight; filling bar, coarse filling, or mixed filling; spot, stain, streak, or dirty yarn; foreign matter; shade not as specified; finish not equal to or better than standard; offshade or uneven shading throughout piece; mottled, cloudy, streaky, or barre; overall uncleanness or soiled; baggy, ridgy, wavy, or unevenly woven; width not within established tolerances; net length less than indicated on the ticket; fiber identification marking omitted.. Each defect shall be marked with a 1-1/2 inch long string; the string shall be inserted into the selvage opposite the defect.

5.3 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order.

6. PACKAGING

6.1 Preservation, packing, and marking. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Source of Government documents. Copies of military and Federal documents are available from:

Defense Automated Printing Service  
Bldg. 4D (DPM-DODSSP)  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

7.2 Source of non-Government documents

ASTM Test Methods

(Applications for copies should be addressed to American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428.)

7.3 This webbing has been successfully woven before as follows: The webbing (using fibrillated warp yarns) should be woven in a two up two down twill with ends drawn in singly. The number of warp ends should be 76, all of 5000 denier polypropylene. The filling should be 8 picks per inch made with 840, 900 or 1000 denier polypropylene.

7.4 A source that could be used but is not limited to, is as follows:

Texcel, Inc.  
PO Box 201  
18 Meeting Street  
Cumberland, RI 02860

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MILITARY INTERESTS:

Custodians

Army - GL

Navy - AS

Air Force - 99

Review Activities

Army - MD

Navy - NU

Air Force - 82

CIVIL AGENCY COORDINATING  
ACTIVITY:  
GSA - FSS

PREPARING ACTIVITY:  
DLA - CT

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