

AEROSPACE MATERIAL SPECIFICATION

SAE AMS3793/8

REV. B

Issued	1986-04
Revised	1996-03
Stabilized	2013-09
Superseding AMS3793/8A	

Tape and Webbing, Textile, Para-Aramid
Intermediate Modulus
1-3/4 Inches (44 mm), 0.17 to 2.50 Ounces per Yard (5.3 to 77.5 g/m)

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE:

1.1 Form:

This specification covers eleven classes of para-aramid tape and webbing of a single width and with varying weights.

1.2 Application:

See AMS 3793.

1.3 Classification:

Width of 1-3/4 inches $\pm$ 1/16 (44 mm $\pm$ 1.6) and weight classes as shown in Table 1.

TABLE 1 - Weight of Products

Class	Weight Ounces per Yard	Maximum g/m
1	0.17	5.3
2	0.35	10.9
3	0.45	14.0
4	0.54	16.7
5	0.60	18.6
6	0.80	24.8
7	1.00	31.0
8	1.20	37.2
9	1.75	54.3
11	2.40	74.4
13	2.50	77.5

2. APPLICABLE DOCUMENTS:

See AMS 3793.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification:

The complete requirements for procuring the tape and webbing described herein shall consist of this document and the latest issue of the basic specification, AMS 3793.

3.2 Properties:

Tape and webbing shall conform to the requirements of Table 2 and the following:

3.2.1 Width: Shall be 1-3/4 inches $\pm$ 1/16 (44 mm $\pm$ 1.6).

3.2.2 Weight: Shall be as specified in 1.3 for the class ordered.

4. QUALITY ASSURANCE PROVISIONS:

See AMS 3793.

5. PREPARATION FOR DELIVERY:

See AMS 3793.

6. ACKNOWLEDGMENT:

See AMS 3793.

7. REJECTIONS:

See AMS 3793.

8. NOTES:

See AMS 3793.

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TABLE 2 - Properties

Class	Breaking Strength minimum pounds	Breaking Strength minimum N	Warp Denier	Warp Ply	Warp Total Ends, minimum	Fill Denier	Fill Ply	Fill Picks per inch (25.4 mm)	Weave
1	1 000	4 450	200	1	156	200	1	34	Plain
2	1 200	5 335	200	1	103	1000	1	23	Plain
3	2 500	11 120	1000	1	84	1000	1	16	Plain
4	3 000	13 345	1000	1	96	1000	1	17	Plain
5	4 000	17 790	1000	2	55	1000	1	15	Plain
6	4 500	20 015	1500	2	50	1500	1	17	Plain
7	6 500	28 910	1500	1	140	1500	1	11	Plain
8	8 000	35 585	1500	2	88	1000	1	10	Plain
9	10 000	44 480	1500	2	127	1500	1	12	22 HBT - Center Reversal
11	15 000	66 720	1500	3	121	1500	1	13	Double Plain (See Figure 1)
13	20 000	88 960	1500	3	137	1500	1	9	Double Plain (See Figure 1)

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