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# AEROSPACE MATERIAL SPECIFICATION

SAE AMS-3778/2

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Submitted for recognition as an American National Standard

Issued 1986-07-01

Revised 1990-10-01

Superseding AMS-3778/2

TAPE, WOVEN, NYLON  
290 Pounds Force (1290 N)

## 1. SCOPE:

- 1.1 Form: This specification covers one type of nylon tape.
- 1.2 Application: Primarily for use as lacing tapes in the manufacture of flight clothing.
- 1.3 Classification: 290 pounds force (1290 N) breaking strength.

## 2. APPLICABLE DOCUMENTS: See AMS-3778.

## 3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the tape described herein shall consist of this document and the latest issue of the basic specification, AMS-3778.
- 3.2 Construction and Properties: Shall conform to the requirements of Table I and the following:

### 3.2.1 Yarn:

- 3.2.1.1 Denier and Filament Count: Shall be 210 denier, 34 filaments.

- 3.2.1.2 Twist: Shall be less than 2.5 turns per inch (25.4 mm).

### 3.2.2 Tape:

- 3.2.2.1 Weave: Shall be as shown in Figure 1.

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3.2.3 Length: Tape shall be furnished on spools, each containing 90 - 110 yards (82 - 100 m). No spool shall contain more than three pieces and no piece shall be less than 10 yards (9 m) in length.

4. QUALITY ASSURANCE PROVISIONS: See AMS-3778.
5. PREPARATION FOR DELIVERY: See AMS-3778.
6. ACKNOWLEDGMENT: See AMS-3778.
7. REJECTIONS: See AMS-3778.
8. NOTES: See AMS-3778.

TABLE I

## Properties and Requirements

Property	Requirement
Thickness, maximum	0.030 inch (0.76 mm)
Width	7/16 inch $\pm$ 1/32 (11.1 mm $\pm$ 0.8)
Weight, minimum	0.09 ounce per yard (2.8 g/m)
Breaking Strength, minimum	290 pounds force (1290 N)
Ends in warp, minimum	
Total count	98
Face and back	88
Binder	10
Stuffer	--
Picks per inch (25.4 mm), minimum	72
Ply of yarns	
Warp	1
Binder	1
Stuffer	1
Filling	1