SAE Aerospace
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AEROSPACE MATERIAL SPECIFICATION

SAE AMS3778/5 REV. B

Issued 1986-07
Revised 1990-10
Stabilized 2012-02

Superseding AMS3778/5A

Webbing, Woven, Nylon
900 Pounds Force (4003 N)

RATIONALE

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

STABILIZED NOTICE

This document has been declared "Stabilized" by SAE AMS P, Polymeric Materials Committee, and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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1. SCOPE:

1.1 Form: This specification covers one type of nylon webbing.

1.2 Application: Primarily for use as webbing for oxygen mask adjustment straps.

1.3 Classification: 900 pounds force (4003 N) breaking strength.

2. APPLICABLE DOCUMENTS: See AMS-3778.

3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the webbing 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 260 denier, 17 filaments.

3.2.1.2 Twist: The final ply of the warp yarn shall have a twist of not less than 2.5 turns per inch (25.4 mm) and a final ply of the filling yarn shall have a twist of not less than 1.0 turns per inch (25.4 mm).

3.2.2 Webbing:

3.2.2.1 Weave: Shall be as shown in Figure 1.

3.2.3 Length: Webbing shall be furnished on rolls, each containing 45 to 55 yards (41 to 50 m). No roll 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	0.065 inch (1.65 mm)
Width	25/32 inch ± 1/16 (19.8 mm ± 1.6)
Weight, maximum	0.70 ounce per yard (21.7 g/m)
Breaking Strength, minimum	
Original	900 pounds force (4003 N)
Retention after Abrasion	94%
End in warp, minimum	
Total Count	87
Picks per inch (25.4 mm), minimum	32
Ply of yarns	
Warp	4
Filling	10