

# AEROSPACE MATERIAL SPECIFICATION

**SAE** AMS3778/4

REV. B

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Superseding AMS3778/4A

Webbing, Woven, Nylon  
2600 Pounds Force (11,565 N)

## 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 one type of nylon webbing.

1.2 Application: Primarily for use in the manufacture of oxygen mask retention kits.

1.3 Classification: 2600 pounds force (11,565 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 840 denier, 140 filaments.

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

3.2.2 Webbing:

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- 3.2.2.1 **Weave:** Shall be as shown in Figure 1, except that the edge warp ends shall have a weave of 8 single ends on one edge and 9 single ends on the other edge.
- 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                | 0.085 inch (2.16 mm)                       |
| Width                             | 3/4 inch $\pm$ 1/16<br>(19.0 mm $\pm$ 1.6) |
| Weight, maximum                   | 1.05 ounces per yard<br>(32.6 g/m)         |
| Breaking Strength, minimum        | 2600 pounds force (11,565 N)               |
| End in warp, minimum              |                                            |
| Total count                       | 135                                        |
| Face and back                     | 121                                        |
| Binder                            | 14                                         |
| Stuffer                           | --                                         |
| Picks per inch (25.4 mm), minimum | 24                                         |
| Ply of yarns                      |                                            |
| Warp                              | 2                                          |
| Binder                            | 1                                          |
| Stuffer                           | --                                         |
| Filling                           | 1                                          |