

WEBBING, WOVEN, NYLON
400 lb (1780 N)

1. SCOPE:

- 1.1 Form: This specification covers one type of nylon webbing.
- 1.2 Application: Primarily for use as helmet front tiedown strap for partial pressure flight suit assemblies.
- 1.3 Classification: 400 lb (1780 N) breaking strength.

2. APPLICABLE DOCUMENTS: See AMS 3778.

3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the webbing shall consist of this document and the latest issue of the basic specification, AMS 3778.
- 3.2 Properties: Shall conform to the requirements of Table I and the following:
- 3.2.1 Yarn: Shall be 210 denier, 34 filament.
- 3.2.2 Twist:
- 3.2.2.1 Warp: The single yarn shall have not less than 10 turns of S-twist per in. (25.4 mm). The final ply twist shall have not less than 7.5 turns of Z-twist per in. (25.4 mm).
- 3.2.2.2 Filling: The single yarn shall have not less than 8.5 turns of S-twist per in. (25.4 mm). The 3-ply semifinal twist shall have not less than 6 turns of Z-twist per in. (25.4 mm). The 3-ply final twist shall have not less than 2.5 turns of S-twist per in. (25.4 mm).
- 3.2.3 Weave: Shall be as shown in Fig. 1.

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3.2.4 Length: Webbing shall be furnished on rolls, each containing 45 to 55 yd (40 to 50 m). No roll shall contain more than three pieces and no piece shall be less than 10 yd (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, max | 0.060 in. (1.50 mm) |
| Width | 3/4 in. + 1/16 (18.75 mm + 1.50) |
| Weight, max | 0.50 oz per yd (15.5 g/m) |
| Breaking Strength, min | 400 lb (1780 N) |
| End in warp, min | |
| Total count | 88 |
| Face and back | 88 |
| Binder | -- |
| Stuffer | -- |
| Picks per in. (25.4 mm), min | 48 |
| Ply of yarns | |
| Warp, min | 2 |
| Binder | -- |
| Stuffer | -- |
| Filling | 3/3 |