

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

AEROSPACE MATERIAL SPECIFICATION

AMS 3798/7A

Issued 10-1-83 Revised 4-1-89

Superseding AMS 3798/7

Submitted for recognition as an American National Standard

WEBBING, LOW MODULUS ARAMID 1-23/32 (44) Wide, 8700 (38,700) Breaking Strength Double Plain Weave with Binder

THIS REVISION CONTAINS ONLY EDITORIAL CHANGES.

- 1. <u>SCOPE</u>:
- 1.1 Form: This specification covers one width and one strength of low-modulus aramid webbing.
- 1.2 Application: Primarily for use in construction of parachutes.
- 1.3 <u>Classification</u>: 1-23/32 inches (44 mm) wide low-modulus aramid webbing having 8700 pounds force (38,700 N) breaking strength.
- 2. APPLICABLE DOCUMENTS: See AMS 3798.
- 3. TECHNICAL REQUIREMENTS:
- 3.1 <u>Basic Specification</u>: The complete requirements for procuring the webbing described herein shall consist of this document and the latest issue of the basic specification, AMS. 3798.
- 3.2 Construction and Properties:
- 3.2.1 Yarn: Yarn used in weaving the webbing shall be low-modulus aramid with a carbonization (char) temperature not lower than 355°C (671°F).
- 3.2.1.1 Denier and Filament Count: The yarn shall be 1200 denier \pm 15 and shall consist of 600 filaments \pm 15.
- 3.2.1.2 Ply: Final warp yarn shall be not less than 3 ply; binder warp yarn shall be singles. Filling yarn shall be not less than 2 ply.

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