

CLOTH, PARACHUTE, META-ARAMID, LOW MODULUS
4.7(160) Weight, Twill

1. SCOPE:

- 1.1 Form: This specification covers one weight and one weave of low modulus meta-aramid cloth.
- 1.2 Application: Primarily for use in construction of parachutes.
- 1.3 Classification: 4.7 oz per sq yd (160 g/m²) low modulus meta-aramid cloth with twill weave.

2. APPLICABLE DOCUMENTS: See AMS 3801.

3. TECHNICAL REQUIREMENTS:

- 3.1 Basic Specification: The complete requirements for procuring the low modulus meta-aramid cloth described herein shall consist of this document and the latest issue of the basic specification, AMS 3801.

3.2 Construction and Properties:

- 3.2.1 Yarn: Yarn used in weaving the cloth shall be a low modulus meta-aramid with a carbonization (char) temperature not lower than 355°C (670°F).
- 3.2.1.1 Denier and Filament Count: The yarn shall be 200 denier $\pm$ 15 and shall consist of 100 filaments $\pm$ 10.
- 3.2.1.2 Ply: The yarn shall be 1 ply.
- 3.2.1.3 Twist: The final ply of yarn shall be twisted 4.0 to 4.4 turns per in. (25 mm).
- 3.2.2 Cloth:
- 3.2.2.1 Weave: Shall be 2-up, 2-down right-hand twill.

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