

CLOTH, PARACHUTE, META-ARAMID, LOW MODULUS
18.0(600) Weight, Basket Weave, Resin Treated

1. SCOPE:

- 1.1 Form: This specification covers one weight and one weave of low modulus resin treated meta-aramid cloth.
- 1.2 Application: Primarily for use in construction of parachutes.
- 1.3 Classification: 18.0 oz per sq yd (600 g/m²) low modulus meta-aramid cloth with basket weave and resin coating.

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 5 ply.
- 3.2.1.3 Twist: The final ply of yarn shall be twisted 5.0 to 5.5 turns per in. (25 mm).
- 3.2.2 Cloth:
- 3.2.2.1 Weave: Shall be 3 by 4 basket (3 ends weaving as 1, 4 picks per shed).

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