



AEROSPACE MATERIAL SPECIFICATION

AMS1775™**REV. C**

Issued	1979-10
Revised	1987-07
Noncurrent	1995-01
Reaf. Nonc.	2015-04
Stabilized	2022-02

Superseding AMS1775B

Fabric, Nylon Upholstery
Fire Resistant

RATIONALE

Transition to stabilized in accordance with the 1995 revision A transition to non-current. This standard should not be used for new designs.

STABILIZED NOTICE

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Full document details: SAE AMS1775C

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Documents

Document Sharing Hub

1. SCOPE:

1.1 Form: This specification covers upholstery fabrics woven from nylon and treated for fire retardation.

1.2 Application: Primarily for aircraft seat upholstery.

1.3 Safety - Hazardous Materials: While the materials, methods, applications, and processes described or referenced in this specification may involve the use of hazardous materials, this specification does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel.

2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of Aerospace Material Specifications shall apply. The applicable issue of other documents shall be as specified in AMS 2350.

2.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

2.1.1 Aerospace Material Specifications:

AMS 2350 - Standards and Test Methods

AMS 4041- Aluminum Alloy Sheet and Plate, Alclad, 4.4Cu - 1.5Mg -
0.60Mn (Alclad 2024 and 1-1/2% Alclad 2024-T3 Flat Sheet;
1-1/2% Alclad 2024-T351 Plate)

- 2.2 ASTM Publications: Available from American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

ASTM D1193 - Reagent Water
ASTM D1682 - Breaking Load and Elongation of Textile Fabrics
ASTM D1683 - Failure in Sewn Seams of Woven Fabrics
ASTM D3512 - Pilling Resistance and Other Related Surface Changes of Textile Fabrics; Random Tumble Pilling Tester Method
ASTM D3776 - Mass per Unit Area (Weight) of Woven Fabric
ASTM D4157 - Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)
ASTM F501 - Aerospace Materials Response to Flame, with Vertical Test Specimens (for Aerospace Vehicles Standard Conditions)

- 2.3 U.S. Government Publications: Available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120 except as specified in 2.3.3.

2.3.1 Federal Standards:

FED-STD-191 - Textile Test Methods

2.3.2 Military Standards:

MIL-STD-794 - Parts and Equipment, Procedures for Packaging and Packing of

- 2.3.3 Federal Aviation Administration Regulations: Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

FAR Part 25 - Airworthiness Standards: Transport Category Airplanes

- 2.4 AATCC Methods: Available from American Association of Textile Chemists and Colorists, P.O. Box 1-215, Research Triangle Park, NC 27709.

Method 8 - Colorfastness to Cracking, Wet and Dry

3. TECHNICAL REQUIREMENTS:

- 3.1 Material: Shall be woven from 100% nylon yarns and shall be treated to be fire retardant. It shall be non-toxic and shall not cause skin rash or dermatitis when in contact with human skin. Emission of toxic gases and smoke shall be no greater than permitted by Federal Aviation Regulations.

- 3.2 Properties: Fabric shall conform to the following requirements; tests shall be performed on the fabric supplied and in accordance with specified test methods:

- 3.2.1 Fabric Weight: Shall be as specified by purchaser according to the style and construction of the fabric, determined in accordance with ASTM D3776.