



AEROSPACE MATERIAL SPECIFICATION

AMS3779™

REV. B

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Superseding AMS3779A

Tape, Adhesive, Pressure-Sensitive
Thermal Radiation Resistant

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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Documents

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1. SCOPE:
 - 1.1 Form: This specification and its supplementary detail specifications cover thermal radiation resistant materials in the form of tape with pressure-sensitive adhesive.
 - 1.2 Application: Primarily for protecting materials and personnel from damage or injury from thermal radiation.
 - 1.3 Classification: These products are classified by material and construction as shown in the applicable detail specifications.
 - 1.4 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 involved.
2. APPLICABLE DOCUMENTS: The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order.
 - 2.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

2.1.1 Aerospace Material Specifications:

AMS-3824 - Cloth, Glass, Finished for Resin Laminates
AMS-4001 - Aluminum Sheet and Plate, 0.12Cu (1100-0), Annealed

2.2 ASTM Publications: Available from ASTM, 1916 Race Street, Philadelphia, PA 19103-1187.

ASTM D 1931 - Fully Cured Silicone Rubber-Coated Glass Fabric and Tapes for Electrical Insulation
ASTM D 3330 - Peel Adhesion of Pressure-Sensitive Tape at 180-deg Angle
ASTM D 3330M - Peel Adhesion of Pressure-Sensitive Tape at 180-deg Angle (Metric)
ASTM D 3652 - Thickness of Pressure-Sensitive and Gummed Tapes
ASTM D 3652M - Thickness of Pressure-Sensitive and Gummed Tapes (Metric)
ASTM D 3715 - Quality Assurance of Pressure-Sensitive Tapes
ASTM D 3759 - Tensile Strength and Elongation of Pressure-Sensitive Tapes
ASTM D 3759M - Tensile Strength and Elongation of Pressure-Sensitive Tapes (Metric)
ASTM D 3951 - Commercial Packaging

2.3 U.S. Government Publications: Available from Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

2.3.1 Federal Specifications:

PPP-T-680 - Tape, Pressure-Sensitive Adhesive, Packaging and Packing of

3. TECHNICAL REQUIREMENTS:

3.1 Detail Specifications: The requirements for a specific tape shall consist of all requirements specified herein in addition to requirements specified in the applicable detail specification. In case of conflict between requirements of this basic specification and an applicable detail specification, requirements of the detail specification shall govern.

3.2 Material and Construction: Tape shall consist of a backing of the type specified in the applicable detail specification, coated on the entire area of one side with a pressure-sensitive adhesive.

3.3 Properties: Tape shall conform to the requirements specified in the applicable detail specification, determined in accordance with methods specified in 4.5.

3.3.1 Shelf Life: Tape shall meet all requirements of this specification and the applicable detail specification at any time up to twelve months from date of receipt by purchaser when stored indoors in the original unopened containers at 25°C (77°F) or lower.