

**AEROSPACE  
MATERIAL  
SPECIFICATION**

**SAE** AMS3564

REV. F

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Vulcanized Fiber Sheet

RATIONALE

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

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## 1. SCOPE:

### 1.1 Form:

This specification covers vulcanized fiber in the form of sheet.

### 1.2 Application:

This sheet has been used typically for gaskets and reinforcements on packaging enclosures, but usage is not limited to such applications.

### 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 involved.

## 2. APPLICABLE DOCUMENTS:

The following publications form a part of this specification to the extent specified herein. The applicable issue of referenced publications shall be the issue in effect on the date of the purchase order.

### 2.1 ASTM Publications:

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

ASTM D 619 Testing Vulcanized Fiber Used For Electrical Insulation

## 2.2 U.S. Government Publications:

Available from Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-STD-2073-1 DOD Materiel, Procedures for Development and Application of Packaging Requirements

## 3. TECHNICAL REQUIREMENTS:

### 3.1 Material and Fabrication:

Sheet shall consist of plant-fiber-base paper which has been partially gelatinized by the action of a chemical, usually zinc chloride, and then heavily compressed or rolled to the required thickness, leached free from gelatinizing agent, and dried.

3.1.1 Color: Shall be gray, unless otherwise ordered (See 8.2).

### 3.2 Properties:

Sheet shall conform to the requirements shown in Table 1, Table 2, Table 3, Table 4, 3.2.3, 3.2.6, and 3.2.7; tests shall be performed on the product supplied and in accordance with ASTM D 619 or as otherwise specified, insofar as practicable.

#### 3.2.1 Composition:

TABLE 1 - Composition

Ingredient	Percentage by Weight, maximum
Ash (See 3.2.1.1)	3.0
Silica	0.3
Zinc Chloride or other gelatinizing agent	0.2

3.2.1.1 If red material is specified, ash may be as high as 7.0%.

#### 3.2.2 Tensile Strength: