

**AEROSPACE  
MATERIAL  
SPECIFICATION**

**SAE** AMS3667

REV. E

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Superseding AMS3667D	

Polytetrafluoroethylene (PTFE) Sheet, Molded  
General Purpose Grade, As Sintered

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 virgin, unfilled polytetrafluoroethylene (PTFE) in the form of sheet, manufactured by compression molding and sintering.

### 1.2 Application

This sheet has been used typically for mechanical parts such as insulation, seals, and bearings requiring chemical inertness up to 500 °F (260 °C), but usage is not limited to such applications.

### 1.3 Classification

Sheet covered by this specification is classified as follows:

Type 1 For parts, such as insulators and mounting posts, requiring chemical inertness and good mechanical and electrical properties up to 500 °F (260 °C). Testing of all specified properties is required.

Type 2 For parts, such as seals, backup rings, and bearings, requiring chemical inertness and good mechanical properties up to 500 °F (260 °C). Dielectric strength test (3.3.4) is not required.

1.3.1 Unless a specific type is ordered, Type 1 shall be supplied.

### 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.