

**AEROSPACE
MATERIAL
SPECIFICATION**

SAE AMS3258

REV. A

Issued 1998-05
Stabilized 2011-09

Superseding AMS3258

Sealing Compound, Polythioether
For Aircraft Windshields and Canopies, For Use Up to 300 °F (149 °C)

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 a polythioether based sealing compound supplied as a two-component system suitable for application by brush, or by extrusion gun or spatula.

1.2 Application:

This product has been used typically for sealing aircraft windshields and canopies. This includes both sealing between the windshield/canopy and the aircraft structure for pressure sealing, and sealing around the windshield/canopy for weather sealing, but usage is not limited to such applications. The sealing compound cures at room temperature and may have an accelerated cure at higher temperatures. The sealing compounds are usable from -65 to 300 °F (-54 to 149 °C).

1.3 Classification:

Sealing compounds are classified as follows:

Class A - None

Class B - Suitable for application by extrusion gun or spatula. Available in the following application times:

- a. B-1/4
- b. B-1/2
- c. B-2

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.

- AMS 2471 Anodic Treatment of Aluminum Alloys, Sulfuric Acid Process, Undyed Coating
- AMS 3803 Wipes, Cotton, Loosely Woven
- AMS 4045 Aluminum Alloy Sheet and Plate, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (7075; -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
- AMS 4901 Titanium, Sheet, Strip and Plate, Annealed, 70,000 psi (485 MPa) Yield Strength
- AMS 5516 Steel, Corrosion Resistant, Sheet, Strip, and Plate, 18Cr - 9.0Ni, Solution Heat Treated

- AS5127 Methods for Testing Aerospace Sealants (May, 1997 - See 4.5.3.1)
- AS5127/1 Methods for Testing Aerospace Sealants, Two-Component Synthetic Rubber Compounds (May, 1997 - See 4.5.3.1)
- AS7001 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Program Description
- AS7002 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Rules for Implementation
- AS7003 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Program Operation
- AS7200/1 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit and Inspection Procedures and Checklists for the Sealant Manufacturers Accreditation Program
- AS7201 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Accreditation of Pass-Thru Distributors
- AS7202 National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Accreditation of Value Added Distributors