

**AEROSPACE
MATERIAL
SPECIFICATION**

SAE AMS3262

REV. A

Issued 2000-02
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Superseding AMS3262

Sealing Compound, Silicone Rubber, Two-Part,
Electrically Conductive and Corrosion Resistant (Nonchromated)
for Use from -67 to 500 °F (-55 to 260 °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 silicone, electrically conductive and corrosion-inhibiting sealing compound.

1.2 Application:

This sealing compound has been used typically for electrical bonding and sealing bare aluminum alloy or chemical conversion coated aluminum alloy surfaces, 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 issue of the following documents in effect on the date of the purchase order form a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been canceled and no superseding document has been specified, the last published issue of that document shall apply.

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 2825 Material Safety Data Sheets
- AMS 3819 Cloths, Cleaning for Aircraft Primary and Secondary Structural Surfaces
- AMS 4037 Aluminum Alloy Sheet and Plate, 44Cu - 1.5Mg - 0.60Mn (2024: -T3 Flat Sheet, T-351 Plate), Solution Heat Treated
- AMS 4045 Aluminum Alloy Sheet and Plate, 5.6Zn - 2.5Mg - 1.6Cu - 0.23Cr (7075-T6 Sheet: -T6 Sheet, -T651 Plate), Solution and Precipitation Heat Treated
- AMS 4901 Titanium Sheet, Strip and Plate, Commercially Pure, Annealed, 70.0 ksi (485 MPa)
- AMS 5516 Steel, Corrosion Resistant, Sheet, Strip, and Plate, 18Cr - 9.0Ni, Solution Heat Treated

- AS5127 Methods for Testing Aerospace Sealants (May 1997)

2.2 ASTM Publications:

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

- ASTM B 117 Operating Salt Spray (Fog) Testing
- ASTM D 412 Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D 991 Rubber Property - Volume Resistivity of Electrically Conductive and Antistatic Products
- ASTM D 1002 Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal)
- ASTM D 2137 Rubber Property - Brittleness Point of Flexible Polymers and Coated Fabrics
- ASTM D 2240 Rubber Property - Durometer Hardness

2.3 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

- L-P-378 Plastic Sheet and Strip, Thin Gauge, Polyolefin
- L-P-390 Plastic, Molding and Extrusion Material, Polyethylene and Copolymers (Low, Medium, and High Density)
- CCC-C-419 Cloth, Duck, Cotton, Unbleached, Plied Yarns, Army and Numbered
- MIL-C-5541 Chemical Conversion Coatings on Aluminum and Aluminum Alloys
- MIL-A-9962 Abrasive Mats, Non-woven, Non-metallic
- MIL-P-23377 Primer Coating, Epoxy Polyamide, Chemical and Solvent Resistant
- MIL-C-27725 Coating, Corrosion Preventive, for Aircraft Integral Fuel Tanks
- MIL-C-38334 Corrosion Removing Compound, Prepaint, for Aircraft Aluminum Surfaces
- MIL-C-38736 Compound, Solvent, for Use in Integral Fuel Tanks
- MIL-C-81706 Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys
- MIL-P-85582 Primer Coatings: Epoxy, VOC Compliant, Chemical and Solvent Resistant
- MIL-C-87936 Cleaning Compounds, Aircraft Exterior Surfaces, Water Dilutable