

AEROSPACE MATERIAL SPECIFICATION

SAE

AMS 3217/5A

Submitted for recognition as an American National Standard

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Superseding AMS 3217/5

TEST SLABS, FLUOROSILICONE (FVMQ) 55 - 65

- SCOPE:
- 1.1 Form:

MQ) not am the full PDF of a more particular to the full PDF of a This specification covers a standard fluorosilicone (FVMQ) rubber stock in the form of molded test slabs.

1.2 Application:

See AMS 3217.

2. APPLICABLE DOCUMENTS:

See AMS 3217.

- TECHNICAL REQUIREMENTS:
- 3.1 Basic Specifications:

The complete requirements for test slabs described herein and their procurement shall consist of this document and the latest issue of the basic specification AMS 3217.

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3.2 Material:

(R)
Shall be a fluorosilicone (FVMQ) compounded to the formulation shown in Table
1.

Table 1 - Formulation

Ingredients	Parts
LS-63U [®] or equivalent* Mapico 297 [®] or equivalent* Cadox TS-5c [®] or equivalent*	100.0 (See 3.2.1) 1.5 (See 3.2.2) 1.3 (See 3.2.2)
Press Cure: 5 minutes ± 0.5 at 115 °C ± 3 (239 °F ± 5) Oven Cure: 8 hours ± 0.2 at 200 °C ± 3 (392 °F ± 5)	of ams31
*Equivalent ingredients must be approve WPAFB, OH 45433-6533.	d by Wright Laboratory (WL/MLSE),

- 3.2.1 Weigh parts to the nearest 0.1 gram.
- 3.2.2 Weigh parts to the nearest 0.02 gram.
- 3.3 Processing:

After the elastomer has banded on the rubber mill, the other ingredients shall be added in the order listed in 3.2.

- 3.3.1 The stock shall not be allowed to become hotter than can be handled with the bare hands; it is recommended that the stock be removed from the mill and cooled to room temperature before incorporating the final ingredient.
- 3.3.2 After and ingredients have been incorporated and the stock has been thoroughly milled, the stock shall be passed 10 times through a tight mill.
- 3.3.3 Suitable preforms shall be cut from the freshly milled stock and molded into test slabs as specified in ASTM D 3182, Figure 1.