



# AEROSPACE MATERIAL

Society of Automotive Engineers, Inc.

400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

## SPECIFICATION

AMS 3373/1

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Revised

COMPOUND, SILICONE RUBBER, INSULATING AND SEALING  
Oil and Reversion Resistant, Low Viscosity, Room Temperature Cure

### 1. SCOPE:

1.1 Form: This specification covers an elastomeric silicone insulating and sealing compound, supplied as a two-component system. The compound may be either an addition- or a condensation-cure type.

1.2 Application: Primarily for use as a resilient potting or encapsulant where low viscosity, oil resistance, closed mold capability, and hydrolytic stability are desired.

2. APPLICABLE DOCUMENTS: Shall be as shown in AMS 3373.

### 3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the product described herein shall consist of this document and the latest issue of the basic specification, AMS 3373.

3.2 Material: Shall be as specified in AMS 3373.

3.3 Properties: The compound, mixed in accordance with manufacturer's instructions and cured as specified in the basic specification, shall conform to the following requirements, determined in accordance with test methods listed in AMS 3373 and herein:

3.3.1 Viscosity, as received	50 - 200 poises	ASTM D1824
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3.3.2 Tensile Strength, min	250 psi	
	(1.72 MPa)	

#### 3.3.3 Oil Resistance:

3.3.3.1 Hardness Change, Durometer A or equiv., max	-10	
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3.3.3.2 Tensile Strength Change, max	-25%	
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3.3.3.3 Elongation Change, max	-25%	
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3.3.3.4 Volume Change, max	0 to +10%	
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3.3.3.5 Weight Change, max	0 to +5%	
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3.3.4 Reversion, Hydrolytic Stability, Durometer A or equiv., min	30	
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3.3.5 Reversion, Closed Mold, Durometer A or equiv., min	30	
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