



Aerospace Sealants, LLC  
4550 E. McKellips Rd., Ste.112  
Mesa, AZ 85215

AS157 Rev. K 2-14-19

## AS157 (FAA-PMA Approved)

### Product Description:

AS157 is a high strength acetoxycure silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and excellent adhesion.

AS157 is a 1 part high strength silicone that when cured resists weathering, ozone, moisture and UV. AS157 works well in manual and automatic dispensing equipment.

### Product Features:

- Room Temperature Cure.
- Thixotropic paste.
- Excellent unprimed adhesion to plastic, metal and glass.

### Curing:

RTV stands for Room Temperature Vulcanization, which means to cure at room temperature. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber is formed.

### Replacement For:

GE 157, RTV 157 (Momentive RTV157) and Dow 732, RTV 732 (Dow Corning 732)  
MIL-A-46106\* Group II, Type I related materials.

## High Strength Adhesive Sealant

### Typical Properties:

#### UNCURED

Color:	Gray
Viscosity, cps	500,000
Specific Gravity	1.12
Consistency	Thixotropic paste
Working time, mins. @ R.T.	4
Tack Free Time, mins. @ R.T.	20
Application Rate, 90 psi g/min.	300
Solids, %	95
VOC, %	2.36

#### CURED – ROOM TEMPERATURE

Cured – 72 hrs. @ R.T.

Tensile Strength, psi	750
Elongation, %	850
Durometer, Shore A	38
Peel Strength, lbs/in	50
Tear Strength, lbs/in	100
Lap Shear Strength, psi	330

#### Electrical

Dielectric Strength, v/mil	400
Dielectric Constant	2.8
Dissipation Factor	0.001
Volume Resistivity, ohm-cm	$2.0 \times 10^{15}$

#### Thermal

Brittle Point,	-85 °C
Maximum Continuous Operating Temperature, °F (°C)	482(250)
Thermal Conductivity Btu/hr/ft <sup>2</sup> , °F/ft	0.0005
Coefficient of Expansion in/in/°F	$20 \times 10^{-5}$

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***Shelf-life:***

In sealed containers, 1 year when stored in a cool dry area.

***Packaging:***

Available in standard 2.8 fl. oz. tubes and  
10.3 fl. oz. cartridges. Other size packaging available upon request.

Limitations:

\*Testing for referenced MIL Spec is performed in accordance with Aerospace Sealants quality test methods, laboratory conditions, and procedures, frequency and sampling, which are not necessarily identical with the methods, conditions, procedures, frequency and sampling stated or referenced in the listed specification. Any certification will be limited to listed properties and will not imply or state conformity to any other aspect of the referenced specification, including but not limited to marking, packaging, bar coding, testing, or sampling.

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