



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

AS3145 Rev. H 2-14-19

AS3145 (FAA-PMA Approved)

Product Description:

AS3145 is a high strength, neutral curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and excellent unprimed adhesion.

AS3145 is a 1 part silicone that when applied to the substrate allows handling of the bonded assembly within an hour.

AS3145 works well in manual and automatic dispensing equipment.

Product Features:

- Room Temperature Cure.
- Thixotropic paste.
- Excellent unprimed adhesion to most plastic, metal and glass.
- Fast onset of adhesion.
- Non-corrosive oxime cure**

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 162, RTV 162 (Momentive RTV162) and Dow 3145, RTV 3145 (Dow Corning 3145 RTV).

MIL-A-46146* Group II, Type I related material.

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High Strength Neutral Cure Silicone RTV Adhesive Sealant

Typical Properties:

UNCURED

Color:	Translucent
Viscosity, cps	500,000
Specific Gravity	1.12
Consistency	Thixotropic paste
Working time, mins. @ R.T.	8
Tack Free Time, mins. @ R.T.	15
Application Rate, 90 psi, g/min.	600
VOC, %	3.61

CURED – ROOM TEMPERATURE

Cured – 72 hrs. @ R.T.	
Tensile Strength, psi	900
Elongation, %	800
Durometer, Shore A	50
Peel Strength, Al, lbs/in	60
Peel Strength, L.C. Steel, lbs/in	50
<u>Electrical</u>	
Dielectric Strength, v/mil	440
Dielectric Constant	2.6
Dissipation Factor	0.0009
Volume Resistivity, ohm-cm	1.0×10^{16}
<u>Thermal</u>	
Brittle Point,	-72°C
Maximum Continuous Operating Temperature, °F (°C)	500(260)
Thermal Conductivity	
Btu/hr/ft ² , °F/ft	0.17
Coefficient of Expansion	
in/in/°F	7.8×10^{-4}



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Shelf Life:

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

Packaging:

Available in standard 3 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.

**In confined cure conditions, AS3145 may discolor copper in direct contact with the Adhesive sealant.

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