

AS106 (FAA-PMA Approved)

Product Description:

AS106 is a high temperature acetoxy cure silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and excellent adhesion. AS106 is a 1 part high temperature silicone that when applied to the substrate allows handling of the bonded assembly within minutes. AS106 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 106, RTV 106 (Momentive RTV106). MIL-A-46106* Group III, Type I related materials.

High Temperature Adhesive Sealant

Typical Properties:

UNCURED

Color:	Red
Viscosity, cps	500,000
Specific Gravity	1.08
Consistency	Thixotropic paste
Working time, mins. @ R.T.	4
Tack Free Time, mins. @ R.T.	12
Application Rate, 90 psi, g/min.	450
Solids, %	95
VOC, %	2.27

CURED – ROOM TEMPERATURE

Cured – 72 hrs. @ R.T.	
Tensile Strength, psi	500
Elongation, %	500
Durometer, Shore A	32
Peel Strength, lbs/in	25
Tear Strength, lbs/in	40

Electrical

Dielectric Strength, v/mil	> 500
Dielectric Constant	2.8
Dissipation Factor	0.001
Volume Resistivity, ohm-cm	2.0×10^{14}

Thermal

Brittle Point, (°C)	< -62
Maximum Continuous Operating Temperature, °F (°C)	500(260)
Thermal Conductivity Btu/hr/ft ² , °F/ft	0.0005
Coefficient of Expansion in/in/°F	15×10^{-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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