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AS157 Rev. D 12-30-14

AS157 (FAA-PMA Approved)

Product Description:

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

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

Product Features:

- Fast Room Temperature Cure.
- Thixotropic paste.
- Excellent unprimed adhesion to plastic, metal and glass.
- Heat accelerated instant cure capability.

Curing:

RTV stands for Room Temperature Vulcanization, which means to cure at room temperature. Curing speed can be accelerated, to some degree, with the increase of humidity around the RTV compound. For more information on this subject please contact us.

Replacement For:

GE 157, RTV 157 (Momentive RTV157) and Dow 732, RTV 732 (Dow Corning 732). Tested and conforms to the requirements of MIL-A-46106 Group III, Type I material.

Packaging:

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

Shelf-life:

Sealed containers 1 year when stored in a cool dry area.

High Strength Fast Cure 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.	12
Application Rate, 90 psi g/min.	250
Solids, %	98%

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

Thermal

Brittle Point, °F (°C)	-68 (-55)
Maximum Continuous Operating Temperature, °F (°C)	482(250)
Thermal Conductivity	
Btu/hr/ft ² , °F/ft	0.0005
Coefficient of Expansion in/in/°F	20×10^{-5}

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