

AS650F

Product Description:

AS650F is a high strength, elevated temperature, fast curing, acetoxysilicone RTV adhesive rubber developed for applications requiring fast development of physical properties and excellent adhesion.

AS650+ is a 1 part high temperature silicone that when cured resists weathering, ozone, moisture and UV. AS650F works well in manual and automatic dispensing equipment.

Product Features:

- Fast Room Temperature Cure
- Elevated Temperature Capability
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal glass
- Heat accelerated cure capability

Heat Accelerated Curing:

RTV stands for Room Temperature Vulcanization, which means to cure at room temperature. Cure 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 159, 106 (Momentive RTV159 & RTV106) and Dow DC736 (Dow Corning 736). Tested and conforms to the requirements of MIL-A-46106, Type I, Group III material.

Packaging:

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

Shelf-life:

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

High Strength Elevated Temperature Fast Cure Adhesive Sealant

Typical Properties:

UNCURED

Color:	Red
Viscosity, cps	500,000
Specific Gravity	1.14
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, PPI	50
Tear Strength, PLI	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)	650(343)
Thermal Conductivity Btu/hr/ft ² , °F/ft	0.0005
Coefficient of Expansion in/in/°F	20 $\times 10^{-5}$

**** Not and FAA Approved Product ****

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