# **US-FC-900** Fast Cure Gasoline Resistant Silicone RTV Adhesive Sealant

**US-FC-900** is a fast curing silicone RTV adhesive rubber. Developed for applications requiring gasoline resistance and fast development of physical properties, as well as fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature.



### Product Features

- Exceptional gasoline resistance
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Very fast onset of adhesion
- Exceptional fuel resistance
- Non-corrosive oxime cure

**Color:** Black (custom colors available upon request)

### **Typical Applications**

- Aftermarket adhesive sealant
- Automotive form in place gaskets
- Assembly line adhesive

#### **Typical Properties:**

Uncured:Viscosity, cps: 500,000Specific Gravity: 1.28Consistency:thixotropic pasteWorking time, minutes at room temperature: 8Tack Free Time, minutes at room temperature: 20Application Rate, 90 PSI, in g/minute: 400 (3mm orifice at 0.6 MPa)

Cured 24 Hours at Room Temperature:	Tensile Strength, PSI: 300	Peel Strength, PPI: 40
	Elongation, %: 260	Durometer, Shore A: 38

## Gasoline Immersion Results, 7 days at 21°C:

Durometer: 33 (-12.1%) Tensile: 150 (-50.0%) Elongation: 200 (-22.5%) Swell: +25%

**Method of Application:** Dispense sealant onto part, mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

**Curing:** Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Solids: 98% solids, contains no solvents

Adhesion: Primer-less adhesion to most plastics, metals and glass.

Service temperature: -65°C to +260°C

**Limitations:** Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

**Packaging:** Available in 3oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

**Handling and safety:** For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.