

# CHEMICALS



## ROOM TEMPERATURE VULCANIZING



### Silicone Rubber Adhesive/Sealant



One-component elastomer cures to a tough, rubbery solid when exposed to moisture in the air. Designed to fulfill industrial and electronic service sealing and bonding requirements, this sealant has excellent adhesive strength, high elongation and outstanding insulation and heat resistance qualities. Develops primerless adhesion to a variety of materials, including metal, glass, most wood, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fibers; most plastics and painted surfaces. Resists weathering, vibration and exposure to oil, moisture, ozone, and temperatures from sub-zero to 400°F. Cures to a tack-free surface in 10 minutes. Full cure, 24 hours. Ideal for many sealing, bonding and insulating applications, including general electrical insulation, potting exposed electronic components, bonding gaskets for heating and refrigeration units, formed-in-place gaskets for gear boxes, compressors, pumps and outdoor motor covers, pressure sealing of aircraft cabins and cockpits, caulking sheet metal stacks, ductwork and equipment housings, and as an anti-abrasion coating.

As Cured—Electrical

ASTM D 257 Volume Resistivity, ohm-cm – 6 X 10<sup>14</sup>

ASTM D 149 Dielectric Strength, volts/mil – 635

ASTM D 150 Dielectric Constant, at 60 Hz – 2.8 at 100 Hz – 2.8 at 100 kHz – 2.8

ASTM D 150 Dissipation Factor, at 60 Hz – 0.0015 at 100 Hz – 0.0015 at 100 kHz – 0.0015

Silicone Rubber Sealant meets the following requirements:

FDA: FDA regulation No. 21 CFR 177.2600 when fully cured and washed.

UL: Recognized for service to 302°F (150°C) where elongation is not necessary.

Meets Mil. Spec. Mil-A-46106A Type 1,

Meets Fed. Spec. TT-S-001543A, Class B, TT-S-0230C, Type 2, Class B

**Part No. 10-150** 3 fl. oz. Tube w/Dispensing Nozzle, Clear



Part No. 19-155



Part No. 19-158



Part No. 19-159

### Electronic Grade Silicone Sealant/Adhesive



One part non-corrosive, neutral cure electronic grade silicone sealant. Will remain flexible from -70°F to +400°F. (-57°C to +204°C) An excellent adhesive for many electrical and electronic applications where corrosion to metals is a problem. Good dielectric properties, high surface resistivity and resists electrical tracking. Meets the requirements of Mil-A-46146A-Type 1; meets the requirements of FDA status, FDA regulation #177.2600

**Part No. 19-155** 3 fl. oz. Color: Clear

**Part No. 19-158** 10.2 fl. oz. Caulk Tube, Color: White

**Part No. 19-159** 2.8 fl. oz. Cartridge Color: White



### High Temperature Silicone Sealant/Adhesive

GC High Temperature Silicone/Adhesive is a one-part moisture-curing RTV (room temperature vulcanizing) silicone sealant/adhesive that cures to form a tough, rubber-like seal. It has been specifically formulated to be used where operating temperatures up to 310°C (590°F) are reached intermittently. The primary uses for this product are high temperature insulation and “formed-in place gasket” applications. At conditions of 25°C (77°F) and 50% relative humidity, the sealant will skin in 10 minutes and cure within 24 hours (1/4" bead), ultimate cure in 7 days. Meets Mil. Spec. Mil-A-46106A Type 1

**Part No. 19-157** 10.2 fl. oz. Caulk Tube, Color: Red



### Silicone Caulk Tube

GC Industrial RTV Silicone is a one-part high modulus Sealant/Adhesive and Gasketing material. Remains flexible from -80°F to +400°F (-62°C to +204°C). Will not crack, crumble or dry out. Unaffected by ultra-violet, weather, most chemicals and solvents. Adheres to metal, wood, glass, fiberglass, ceramics, fabrics and many plastics. Meets the following specifications: Agriculture Canada; USDA; FDA regulation No. 21 CFR 175.105; Mil Spec Mil-A-46106A-Type1 and US Fed. Specs. TT-S-001543A Class B and TT-S-0230C Type 2, Class B.

**Part No. EL-615** 10.2 fl. oz. Caulk Tube, Clear

### Silicone Quick Reference Guide

Description	10-150	19-155	19-157	19-158	19-159	EL-615
Non Corrosive	-	X	-	X	X	-
High Temperature	-	-	X	-	-	-
Extreme High Temp	-	-	X	-	-	-
Low Temperature	X	X	X	X	X	X
Extreme low temp	X	X	X	X	X	X
Thermal Conductivity	-	-	-	-	-	-
High Strength	X	-	X	-	-	X
Super High Strength	-	X	-	X	X	-
High Voltage	-	X	-	X	X	-
Paste	X	X	X	X	X	X
Flowable	-	-	-	-	-	-
One Part	X	X	X	X	X	X
Primerless	X	X	X	X	X	X
Translucent	X	X	-	-	-	X
Red	-	-	X	-	-	-
White	-	-	-	X	X	-
Adhesive	X	X	X	X	X	X
Sealant	X	X	X	X	X	X
Potting	-	-	-	-	-	-
Encapsulating	-	-	-	-	-	-
Elect. Insulation	X	X	X	X	X	X
Form In Place Gasket	X	X	X	X	X	X
Food Grade	X	X	X	X	X	X
Marine	X	-	-	-	-	X
Mil Spec	X	X	X	X	X	X