



RTV Silicones Instruction Sheet

Description:

IGS RTV Silicones are formulated and manufactured in the U.S.A. for a high degree of performance. RTV Silicone can be used as an adhesive or sealant for a wide range of applications including gasket dressings, window seams, gutters, pumps, and many more. Rated up to 500°F (excursions to 600°F), IGS RTV Hi-Temp Red Silicone is suitable for sealing hot areas such as stove pipes, flues, and engine components. RTV Silicones will stay resilient for many years to provide a durable seal for a wide variety of applications.

Silicones are not classified as hazardous materials and are able to be shipped by any means worldwide.

Uses:

- Gasket dressing
- Water pumps
- Stove pipes
- Flues
- Oven doors
- Automotive & industrial engines and motors
- Window seams
- Many, many more applications

Benefits:

- Long lasting
- Stays flexible
- Weatherproof
- Cures in open air
- Adhesive properties
- UV resistant
- Tack free <15 minutes

Tech Data:

Acetoxy or Neutral cure available

Skin over time: 5-10 min (ASTM C679)

Tack free time: 10-15 min (ASTM C679)

Cure time: 24 hrs

520% elongation at break (ASTM D412)

300 psi tensile strength at break (ASTM D412)

Shore A-25 durometer (ASTM D2240)

27 (ppi) peel strength (carb/ss or alum/ss) (ASTM D794)

Max Continuous Temp: 500°F (Hi-Temp Red)

450°F (General grade)

Non-volatile content (%/wt) $\geq 85\%$ (ASTM C792)

Colors: Red, Clear, White, Black, Aluminum, Bronze

Materials meet the requirements of FDA 21 CFR 177.2600 for food contact once cured and washed

Materials certified NSF 51 approved (listing fees by NSF have additional charges)

UL listing available

Shelf Life: 2 years

Packaging: 5 gallon buckets, 10.3 oz. and 29 oz. Caulking Cartridges

See MSDS information for precautions