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Technical Data Sheet

Vibra-Tite® 996 RTV Red Silicone

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Product Description

Vibra-Tite 996 Red Silicone Sealant is a one-part acetoxy cure silicone sealant with high temperature resistance that cures in the presence of atmospheric moisture to produce a durable and flexible silicone rubber compound.

Typical Applications

Vibra-Tite 996 Sealant provides a long-lasting flexible seal with excellent adhesion to most surfaces. This sealant is intended for a variety of general purpose and industrial applications and retains its elastomeric properties at temperatures from -75° to 650°F (-60° to 343°C).

Technical Features

Resistant to sunlight, rain, sleet, snow, ultraviolet radiation, ozone and temperature extremes.
Retains design properties even after years of exposure – seals remain watertight and weatherproof. Wide temperature range from -75° to 650°F (-60° to 343 °C).

Limitations

Vibra-Tite 996 Sealant is not recommended for use in the following applications:

- Do not use silicone gasket maker only when replacing head gaskets.
- Do not use on parts continuously immersed in gasoline.
- Glazing or edge sealing of insulated glass.
- Structural glazing.
- Aquariums
- Copper or brass. The cure byproduct may discolor these surfaces.
- Totally confined spaces. Because the sealant needs atmospheric moisture to cure.
- Surfaces that require painting. Paint will not adhere to most silicone surfaces.

Properties

- Flow: ≤0.20 inch
- Tack-free time: <1 hr (@ 77° F, 50% RH)
- Durometer Shore A: >18
- Elongation at Break ≥300%
- Extrusion Rate 250-500 g/min
- Calculated Extrusion Rate 250-500 g/min
- Peel Strength (Al/SS) ≥14 ppi
  Peel Strength (Low C/SS) ≥14 ppi
- Non-volatile Content ≥85%

Procedure for Application

Clean and dry surfaces. Surfaces should be free of dirt, grease, oil and old gasketing material.

1. Remove cap, puncture inner seal, screw on extension nozzle and cut nozzle to desired bead width.
2. Apply an approximate 1/8" unbroken bead to one surface, completely encircle all bolt holes.
3. Assemble parts while material is tacky (approx. 5 to 10 minutes). Do not over tighten bolts. Material skins within 15 minutes.
4. May be applied to both sides of gasket to use as a pre-cut gasket dressing.
5. Allow to cure for at least 15 minutes. Material normally fully cures in 24 hours.
6. Remove nozzle and replace cap after use.

Shelf Life

When stored in original, unopened containers at or below 90°F (32°C) Vibra-Tite 996 Sealant has a minimum shelf life of 24 months from the date of manufacture.

General Information

Health & Safety

Use of gloves and goggles are recommended. Check SDS for further details

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used. For assistance and recommendations regarding this product, contact ND Industries info@ndindustries.com