



PRODUCT DATA SHEET

Quality Products and Service Since 1964

SILICONE RTV

100% Silicone Rubber Adhesive / Sealant

PRODUCT DESCRIPTION:

100% Silicone RTV sealant is a one-part, non-slumping paste that cures to a tough, rubbery solid at room temperature upon exposure to moisture in the atmosphere while releasing a small amount of acetic acid (vinegar-like odor). It will not flow due to its own weight and can therefore be applied on sidewall joints or overhead without slumping, sagging or running off. 100% Silicone RTV sealant is has been formulated to provide excellent sealing and bonding properties at temperatures ranging from -75 to +450 F (-60 to +232 C) for continuous operation and up to +500 F (+260 C) for short periods of exposure.

TYPICAL PROPERTIES:

100% Silicone RTV has good resistance to weathering, vibration, moisture, ozone and temperature extremes. It may be applied in sub-zero weather without loss of extrusion or physical property characteristics

AS SUPPLIED

Colors	Clear, White, Black, Blue, Aluminum, Bronze
Formulation	Acetoxy RTV
Specific Gravity at 77F / 25C	1.03
Extrusion Rate (3.18 mm orifice, 90psi), g/min	400
Flow Rate (sag/slump on 3.18 x 101.6 mm bead), mm	Nil
Tack-Free Time (77F / 25C, 50% RH), minutes	10-20
Cure Time (77F / 25C, 50% RH, 3.18 mm), hrs	24

AS CURED

Durometer Hardness, Shore A (ASTM D 2240)	27
Tensile Strength, MPa / psi (ASTM D 412)	2.4 (350)
Die C Elongation, % (ASTM D 412)	600
Brittle Point, degrees C / F (ASTM D 746)	-62 / -80

SPECIFICATIONS:

MILITARY: Designed to meet MIL-PRF-46106B.

FEDERAL: Designed to meet TT-S-001543A, Type NS, Class A, Use G and TT-S-00230C, Type II Class A, Use G

UL STATUS: Recognized by UL for service up to +302 F (+150 C) where elongation is not essential.

NSF STATUS: Meets requirements of the National Sanitation Foundation criteria C2. Previous authorization conducted by USDA for use in federally inspected meat and poultry plants.

FDA: Meets 21 CFR 177.2600 when fully cured and washed.

FOR USE ON:

100% Silicone RTV will typically adhere to clean metal, glass, most types of non-oily woods, silicone resin, vulcanized silicone rubber, ceramic, natural and synthetic fiber and many painted and plastic surfaces (Some plastics may require the use of a primer to ensure bonding).

- Gasketing of automotive and industrial engines, pumps, compressors, flanges, heating and refrigeration units, etc.
- Sealing trailers and truck cabs, trim, lights, etc.
- Power plant equipment, access doors, motors, etc.
- Bonding signs and letters. Attaching nameplates.
- Adhering auto and appliance trim, plastic and fabric.
- Sealing marine cabins and windows, brackets, trim, etc.
- Encapsulate appliance heating elements and other parts.
- Formed-in-place gaskets for engines, gear boxes, etc.
- Create anti-abrasion coatings and surfaces.
- Anywhere bonding, sealing or encapsulating is required.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

Lub-O-Seal Company, Inc. believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product, but it is your responsibility to thoroughly test the product in your specific application in order to determine its performance, efficacy and safety. Lub-O-Seal specifically disclaims any other expressed or implied warranty, including warranties of merchantability and of fitness for a particular use. Your exclusive remedy and Lub-O-Seals sole liability for breach of warranty is limited to the refund of the purchase price or the replacement of the product shown to be other as warranted, and Lub-O-Seal expressly disclaims any liability for incidental or consequential damages.

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