



AST-RTV™ SILICONES

ADHESIVE / SEALANT / INSTANT GASKET

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Product Description

AST-RTV Silicone™ is a multipurpose, single component adhesive sealant that quickly adheres to most surfaces. It cures in 24 hours providing a tough, resilient, silicone rubber good for hundreds of applications.

AST-RTV Silicone™ can be used for gasketing, sealing, bonding, insulating, caulking, encapsulating and coating. This flexible material resists shrinking, cracking, weather, ozone, chemicals, moisture, vibration and extreme temperatures ranging from -85 to 450°F (- 65 to 232°C), Hi Temp Red to 500°F (260°C) continuous and 600°F (325°C) intermittent exposure. Low volatile formula recommended for many automotive applications.

AST-RTV Silicone™ is USDA, UL, and NSF approved. Meets FDA Regulation 21 CFR 177.2600 and MIL-A-46106. The equivalent of Dow Corning's 732 and 736, GM, Ford and Chrysler specs. Meets ASTM C 920.

AST-RTV Silicone™ is great for making replacements of custom gaskets and seals for all types of motors, transmissions, gear housings, pumps, power tools, machinery, etc. It's better than conventional gaskets because it fills in surface irregularities.

As a sealer and caulk, use **AST-RTV Silicone™** to seal heating and ventilating ducts. It seals cracks and gaps around windows, vents, doors, machinery, truck cabs and trailers, fixtures, lights, walls, bathtubs, sinks, etc. it can be used to waterproof electrical connections and boxes. It seals out water from compartments in machinery as well as holes where wire tubing or refrigeration lines run through walls.

As a flexible adhesive **AST-RTV Silicone™** is versatile and easily bonds dissimilar materials. It provides excellent adhesion to clean metal, glass, most types of wood, ceramic, porcelain, painted and many plastic surfaces. Attach nameplates and signs to equipment, walls, doors, windows (interior and exterior), and can bond gaskets in heating and refrigeration units.

As a special sealant **AST-RTV Silicone™** can be used to seal or coat components exposed to moisture, vibration, shock, certain fuels, oils, solvents, chemicals and corrosives for a long period of time. This product can be used as a formed-in-place gasket where irregular shapes and harsh conditions reject ordinary seals. It is also effective for repairing electrical insulation, sealing insulators and entrance ports to transformers.

Features & Benefits

- Superior caulking, bonding and sealing qualities
- Easier to use than other gasketing methods
- Resists chemicals, temperature extremes, weather, vibration, moisture and ozone
- Will not sag, run off or shrink
- Functions in hundreds of applications as a specialty sealant and flexible adhesive
- Excellent non-conducting characteristics

Typical Properties

AST-RTV Silicone is 100% Silicone-General purpose (Acetox Cure) Room Temperature Vulcanizing, Single component homogenous non-slumping paste.

Properties	Values		
Color	White, Clear, Blue, Black, Aluminum	Red (Hi-Temp)	White (Mildew Resistant)
Viscosity at 77°F (25°C) poise	300	300	300
Tack-Free Times, hrs	¼ - 1/2	¼	¼ - 1/2
Specific Gravity* 77°F (25C)	1.05	1.04	1.05
Durometer Hardness*	30	32	30
Tensile Strength*, psi	350	350	250-350
Elongation,* percent	500	500	500
Dielectric Strength	550	550	550
Shelf Life, at or below 90°F (32C) months	12	12	12
Odor (uncured)	Acetic acid	Acetic acid	Acetic acid
RoHS	Compliant	Compliant	Compliant

* As cured 7 days at 77°F (25°C) and 50% Humidity

Cure

Cures at room temperature by exposure to water vapor in the air, giving off a small amount of acetic acid vapor. Tack-free time varies from 15 minutes to 30 minutes. Cures in 24 hours depending upon temperature and humidity.



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Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use. **Go to Antiseize.com**

Special Properties

May be applied to overhead surfaces or on side-wall joints and surfaces without running off or dripping.

Special Authorizations

- FDA Regulation 21 CFR 177.2600
- NSF / ANSI Standard 51-Food Equipment Materials Rating
- USDA Rating P-1, Sealant for Food Zone
- UL 150°C Rating, File # QMFZ2-E19140
- Federal Spec. TT-S-00154A, Class A (COM-NBS)
- Federal Spec. TT-S-00230C, Class A (COM-NBS)
- Military Spec. MIL-A-46106 A

Special Notes

Equal to:

Dow Corning®, 732,736
GE® 102 to 109, is802, 803, 808 & scs1000 series, 1702

AST-RTV™ P/N'S	27104,106,107,108,109 27084,86,87,88,89	27085,27105	27104,27084
DOW CORNING™	732	736	786
GENERAL ELECTRIC™	RTV 102, 103, 108 109 IS802, 803 808 SCS 1000 Series	RTV 106	

Directions for Use

Remove all oil and grease, clean and dry all surfaces. As a gasket or an adhesive: Apply silicone to surfaces and assemble parts within a few minutes, press or clamp parts together. As a Caulk: Tape surfaces not desirable to have silicone, apply bead and work or smooth to desired shape. Immediately wipe away excess material and remove tape.

8 oz. Pressurized cans require GHS labeling.
GHS information (Bulk material only)

GHS Panel
Classified as Non-Hazardous under
HazCom 2012(OSHA GHS)
Read SDS for additional information

Storage

Store Pressurized cans, cartridges and tubes in closed containers in a dry location. Best at 46°F to 70°F (8 to 21°C). Product stored at other temperatures or for longer periods of time will not perform within specifications.

Shelf Life

AST-RTV Silicones™ in an un-opened container and stored at 46°F to 70°F will have an optimum product life of 2 years

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

	10.3 oz Cart	8oz press	3 oz Tube
White	27104	27084	27034
HI-Temp Red	27105	27085	27035
Clear	27106	27086	27036
Blue	27107	27087	
Black	27108	27088	
Aluminum	27109	27089	
Food Grade White	27110		