

3M™ Ultrapro™ High Temp Silicone Gasket

Data Sheet

3M Part No.(s)

08672

3M Part Descriptor(s)

Ultrapro™ High Temp Silicone Gasket

Detailed Product Description

3M™ Ultrapro™ High Temp Silicone Gasket is a premium form-in-place Room Temperature Vulcanizing (RTV) silicone gasket adhesive/sealant that is non-corrosive and rapid curing. It's neutral curing chemistry has a low odor, is resistant to all coolants & oils, remains flexible, and can be used in applications that intermittently see temperature spikes of up to 600°F on engines, transmissions, differentials, and other parts. There are numerous automotive and non-automotive sealing applications for this product. This product is ideal for use both as a dressing with pre-cut gaskets to enhance the seal or as a alternative to a gasket altogether when one's not available. It's oxygen sensor safe chemistry is safe for use on all of today's modern engines and is suitable for use on virtually any older engine or machine that requires a seal.

Features, Advantages, Benefits

Features	Premium RTV Silicone Oxygen Sensor Safe Rapid Curing Non-Corrosive Resistant to All coolants & Oils Good Up to 600°F Intermittently Neutral Cure With Low Odor
Advantages	Numerous Automotive & Non-Automotive Application Reduces the Risk of Leaks Use as a Gasket Dressing or Gasket Alternative No Offensive Odor While the Sealant Cures
Benefits	One Silicone for All Your Sealing Needs Improves the Quality & Durability of Your Repairs Increases Productivity

Typical Physical Properties

Container Base	3 Fl. Oz. (88ml) Squeeze tube Silicone, see product label or MSDS	Packaged 6 tubes to a case
Color	Black	
Consistency	Paste	
Service Temperature - °F	- 45°F to 600°F Intermittently	
Non-volatile	100%	

Product Uses

For numerous automotive and non-automotive sealing applications. For small and large engines, transmission, drivetrains, etc. on industrial equipment, stationary engines, motorcycles, lawn maintenance equipment, boats, motor homes, jet skis, snowmobiles, other recreational sport utility vehicles, etc. Resistant to most automotive fluids, oxygen sensor safe, neutral cure & low odor, non-corrosive, rapid curing, good to 600°F intermittently.

Engine Pans & Covers

Water Pumps & Thermostat Covers

Transmission Pans & Covers

Differential & Gear Box Covers

Heater / A/C Boxes

Seals openings in passenger compartment; i.e: holes in bulkheads, firewalls, doors, floors, roofs & other body panels

Use to re-seal, sealed compartments

Seals out moisture; i.e: lenses, headlights, windshields, non-automotive and marine applications

Performance Properties

Skin-over at 70°F and 50% relative humidity is approximately 15 minutes.

Full cure on a 1/4 inch bead at 70°F and 50% relative humidity is 24 hours.

Adhesion to Aluminum	20 - 25 lbs per inch	ASTM C794
Tensile (PSI)	325 PSI +/- 25	ASTM D412
Ultimate Elongation %	320% +/- 25	ASTM D412
Hardness, Shore A	35 - 40	ASTM C661

Directions for Use

Remove any old gasketing material and clean the surfaces with 3M™ Gasket Prep and Parts Cleaner, PN 08901.

Apply 3M™ Ultrapro™ High Temp Silicone Gasket to one of the gasketing surfaces making sure to cover the entire sealing surface with sealant. If the sealing flange has bolt holes or if there are studs, these should be circled by the sealant.

Assemble parts while silicone is still wet, within 5 to 10 minutes.

Install the fasteners and tighten. **NOTE:** When this material is used, the torque of the fasteners can be reduced due to the fact that the seal no longer relies solely on compression. An ideal seal can be created by applying an consistent bead on the sealing surface and softly tightening the fasteners to

achieve equal squeeze-out around the outer area of the seal. When used as a gasket dressing, this material may allow some gaskets to slip-out if the fasteners are torqued too much. If desired, squeeze-out can be troweled or wiped away for appearance purposes. Engine may be started after the silicone has skinned over but should not be put back into service until the sealant has fully cured.

Applications

Valve Covers
Oil and Transmission Pans
Intake Manifolds
Water Pumps
Timing Chain Covers
Thermostat Housings
Numerous Other Non-Automotive Applications

Storage and Handling

Store at room temperature. Rotate stock on a "first-in, first-out" basis. When stored at the recommended conditions in original, unopened containers, this product has a shelf life of 24 months.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product. If 3M™ Gasket Prep and Parts Cleaner, PN 08901, is used to clean the surfaces; see the products Technical Data Sheet for proper usage instructions.

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Warranty and Limited Remedy

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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For Additional Health and Safety Information

3M Automotive Aftermarket Division
3M Center, Building 223-6N-01
Saint Paul, MN 55144-1000
1-877-666-2277 (1-877-MMM-CARS)

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