

SINOSIL™ 9099 RTV Silicone Gasket Maker

INTRODUCTION

SINOSIL™ 9099 is a one-component, neutral cure RTV silicone gasket maker designed for automotive and industrial sealing applications.

It cures at room temperature upon exposure to atmospheric moisture to form a durable, flexible silicone rubber gasket with excellent resistance to heat, oil, coolant and weathering.

KEY FEATURES

- Oxygen sensor safe, non-corrosive
- Neutral cure, low odor
- High temperature resistance up to 343°C (650°F)
- Excellent resistance to oil, coolant and automotive fluids
- Excellent flexibility and long-term durability
- Good adhesion to metals, glass and most engineering materials

PHYSICAL PROPERTIES

Appearance	Smooth, non-sag paste
Color	Grey / Black / Clear / White
Specific Gravity(g/cm ³)	1.4
Tack-free time (23°C, 50% RH)	10-15 Mins
Cure Time (3mm thickness)	18-20 hours
Tensile Strength (Mpa)	2.5
Elongation at break, %	Min.450
Hardness, Shore A	45-50
Operating Temperature (°C)	-60 to 343
Extrusion Rate (g/min)	400

These values are typical and are not intended for use as specifications.

APPLICATIONS

SINOSIL™ 9099 is designed as an instant gasket maker and is widely used in:

- Engine components
- Transmission covers
- Oil pans
- Thermostat housings
- Water pumps
- Intake manifolds

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- Gearboxes and axle assemblies

USAGE GUIDELINES

Surface Preparation

All surfaces must be clean, dry and free from oil, grease and contaminants.

Application

Apply a continuous bead to one surface and assemble parts before skin formation.

Curing

Curing begins upon exposure to atmospheric moisture. Full cure time depends on temperature, humidity and joint thickness.

PACKING

SINOSIL™ 9099 is typically supplied in:

- 85 g tubes
- 45 g tubes
- 35 g tubes
- Cartridges or bulk packaging upon request

STORAGE

In the unopened original container, SINOSIL™ 9099 has a shelf life of one year in a dry and cool place, with temperature below 32°C.

LIMITATIONS

SINOSIL™ 9099 should not be used:

- In totally confined spaces without moisture
- On surfaces that are wet, oily or contaminated
- For structural bonding applications
- In direct contact with food
- In medical or pharmaceutical applications

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

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NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. However, as the conditions and methods of use of our products are beyond our control, this information should not replace customer testing to ensure that our products are safe, effective, and fully compatible with the intended end use.

SiSiB SILICONES' sole warranty is that our products will meet the sales specifications in effect at the time of shipment. In the event of a warranty breach, your exclusive remedy is limited to either a refund of the purchase price or the replacement of any product that is shown not to meet the warranty.