



ANTIA RTV SILICONE (AUTO GASKET)

Technical Data Sheet

Date of issue: 09/03/2017

Revision date: 02/01/2019

Version: 0.1

TDS No.: TDS.09.27.03

1. Product Description

Product description	: ANTIA RTV SILICONE (AUTO GASKET) is one component acid-curing silicone sealant for general purpose sealing in high temperature applications up to 350°C. It cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.
Use of the substance/mixture	: Adhesives, sealants
Recommended use	: Industrial use Professional uses Consumer use

2. Characteristics

Characteristics	: Non-sag Flexible at low (-40°C) and high temperatures (+350°C) Ready gunnability at low (+5°C) and high (+40°C) temperatures Quickly becomes tack-free Good tooling properties Excellent Resistance against Oil, solvents and Fuels Maintaining elastic properties at continuous temperatures of up to 350°C
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3. Application

- Sealing of joints exposed to long-term temperatures of 350°C (oven and chimney construction)
- Sealing of connecting and expansion joints exposed to high temperatures
- Suitable for industrial applications
- Adhering excellently to heat glass, vitrified surfaces, ceramic tiles, some plastics and most paints

4. Application Instructions

- Application temperature is between +5 °C to +40 °C.
- Make sure the surface to be applied is dry and clean, free of dust and grease
- Cut the cartridge tip and place it in the gun
- Apply the silicone over the surface in strip form
- Clean any silicone residue simply with soapy water
- Joint width and depth ratio should be about 2:1

5. Technical Specifications (@ 23 °C 50% RH)

Appearance	: Paste.
Odour	: characteristic
Curing System	: Acetoxy
Extrusion Rate	: 250 ml/min
Skin Forming Time	: 18 minutes
Curing Rate	: 4 mm/day
Ultimate Elongation (DIN 53504)	: 250 %
Tensile Strength (DIN 53504)	: 0.7 N/cm ²
Hardness Shore A	: 25
Density	: 1.03 g/cm ³

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Thermal Resistance	: -40 - 180 °C
Modulus at 100% Elongation (DIN 53504)	: 0.4 N/mm ²
Tear Strength (ISO 34-1)	: 4.2 N/mm
Movement Capability	: 25 %
Application Temperature	: 5 - 40 °C

6. Packaging

Colour : Red

Cartridge 280 ml	Package 24 pcs/ctn
Cartridge 310 ml	Package 24 pcs/ctn

7. Shelf Life and Storage

Storage conditions	: Store in a well-ventilated place. Keep cool.
Storage temperature	: 0 - 35 °C

Cartridge 280 ml	18 months (after production date if stored at room temperature)
Cartridge 310 ml	18 months (after production date if stored at room temperature)

8. Health and Safety

Adverse physicochemical, human health and environmental effects	: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Other medical advice or treatment	: Treat symptomatically.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment

9. Remarks

Remarks : For further information, please refer to the Safety Data Sheet

10. Standards and Certificates

Standards and Certificates : EN 15651-1



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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.