

SS-RTV171813 Technical Data Sheet 08/02/2018

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Technical Data Sheet

Low outgassing non corrosive Silicone one part

SS-RTV171813 Introduction

SS-RTV171813 is a one-component fast cure, non-corrosive Silicone Adhesive Sealant that cures on exposure to atmospheric moisture to form an elastic silicone rubber. SS-RTV171813 has a pourable consistency and excellent corrosion-free adhesion to metals, including copper, plastics, ceramics, glass, etc. Without the use of primers.

Key Features

- Non-corrosive to metals: meets MIL-A-46146B
- Fast cure
- Low odour: releases an alcohol vapour during cure
- Primerless adhesion to many substrates
- Excellent Temperature resistance: From -55°C to 200°C
- Excellent weatherability, ozone and chemical resistance.
- Excellent electrical insulation properties.
- UL94 HB recognized
- Simple and easy-to-use one-component system.

Potential Applications

- Insulating adhesive seal and coating for electrical and electronic parts.
- Waterproof sealant for electrical, electronic and communication equipment
- General adhesive for metals, glass, plastics etc.

SS-RTV171813 storage Adhesion Performance

SS-RTV171813 has excellent bonding properties and adheres to many materials without primers. However, for significantly better adhesion on difficult-to-bond substrates, use of a primer is suggested.

SS-RTV171813 Handling and Safety

- Wear eye protection and protective gloves as required while handling the product.
- Maintain adequate ventilation in the work place at all times.

SS-RTV171813 storage and shelf life

- Store in a cool, dry place out of direct sunlight.
- Keep out of the reach of children.

SS-RTV171813 Packaging

- 82.8ml Tubes.
- 310ml Cartridges.
- 18kg Pail

Property (uncured product)

Colour
Viscosity (23°C)
Tack Free Time
Corrosion (MIL-A-46146B)

Result

Translucent
50 Pa.s
10 mins *
None

Property (cured product)

(after 7 days cure at 23°C / 50% RH)

Appearance
Density (23°C)
Hardness (Type A)
Tensile Strength
Elongation
Adhesive Strength
Thermal Conductivity
Volume Resistivity
Dielectric Strength
Dielectric Constant (60Hz)
Dielectric Loss (60Hz)

Result

Elastic Rubber
1.04 g/cm³
13
1.2MPa
360%
1.0 MPa
0.18 W/m.K
2.0x10⁷
22 kV/mm
2.9
0.005

All values are typical and should not be accepted as a specification.

SS-RTV171813 Health and Safety

Material Safety Data Sheets available on request.

Limited Warranty

Silicone Solutions Ltd warrants that its product will conform to Silicone Solutions Ltd internal specifications at the time of application or use, provided that the product is stored in accordance with Silicone Solutions Ltd recommendations and used or applied before the earliest of (1) the "use before date" indicated on the product package, (2) six months from the date of shipment, or (3) expiration of such other period or recommended storage time stated in the Silicone Solutions Ltd literature for the product. If notified in writing of a claim within six months of the products use of application, Silicone Solutions Ltd will at its option replace or refund the purchase price of any Silicone Solutions product with does not satisfy the foregoing warranty.

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