

## TECHNICAL DATA SHEET

**My-T-Sil® 981**  
RTV Silicone  
May 2019



METLOK PRIVATE LIMITED  
(An ISO 9001 Certified Company)  
W-27, M.I.D.C. Industrial Area  
Kalmeshwar – 441 501, Nagpur

### Product Description

My-T-Sil® 981 is a general industrial purpose, one-part, Alkoxy cure, White RTV Silicone sealant.

### Product Feature:

- ❖ Low viscosity, Free flowing, self-leveling consistency
- ❖ Cures to a tough, rubbery substrate when exposed to moisture in the air.
- ❖ Excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and many chemicals.
- ❖ Adheres to metals, plastics, ceramics, glass, non-oily wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, silicones resins & rubber etc.
- ❖ Operating temperature range of -65 °C to 200 °C.

### Product Characteristic

My-T-Sil® 981 provides the following product characteristics

Technology	: Silicone
Chemical type	: Alkoxy
Components	: One component
Appearance	: White/Black liquid
Viscosity	: Low
Cure	: Room temperature vulcanizing (RTV)
Service Temperature	: -65 °C to 200 °C
Specific Benefit	: Adheres to a wide range of Substrates.

### Environmental Resistance

The product retains effective properties in contact with automotive fluids, such as motor oil, transmission fluids, antifreeze solutions and alcohol

### Applications

- ❖ Bonding, Sealing, potting and Coating in electrical and electronic part.

- ❖ Coating
  - Clean metal, plastic and glass
  - Flow coating over electric component
- ❖ Potting
  - Electric equipment
- ❖ Encapsulation
  - Securing delicate component in place

### Properties

Consistency	: Self-leveling
Appearance	: White/Black
Viscosity, 25±2 °C, Brookfield, Spindle # 6, Speed 2.5 r.p.m. ASTM D 1084	: 35000-45000 cP
Specific Gravity @ 25 °C ASTM D 972	: 1.02
Temperature Resistance	: - 65 to + 200 °C

### Cure Characteristics @ Room Temperature(25±2 °C) / 50±5 % RH

Skin Over Time	: 12-18 minutes
Tack Free Time	: 35-45 minutes
Cure Time [3mm thickness]	: 24 hours

### Physical properties: 3 mm strip cure for 7 days @ 25±2 °C / 50±5% RH

Hardness, Durometer-Shore A, ASTM D 2240	: 20-30
Tensile Strength, ASTM D 412,	: >1 N/mm <sup>2</sup>
Elongation, ASTM D 412	: 200-300 %

### Directions for Use

1. For best performance bond surfaces should be clean and free from grease.
2. Remove excess sealant immediately with a cloth dampened with non-polar solvents.
3. Full properties will develop over 72 hrs.
4. Moisture curing begins immediately after the product is exposed to the atmosphere, therefore parts to be assembled should be mated within a few minutes after the product is dispensed.
5. Press or firmly clamp parts together. Do not slide parts together.
6. Excess cured material can be removed with a knife or sharp single edge razor blade. Avoid undercutting the seal.

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**Storage and Handling**

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- ❖ Store My-T-Sil® 981 in a cool, dry and unopened container at 25±2 °C.
- ❖ My-T-Sil® 981 will exhibit a shelf life six months from the date of manufacture when stored as mentioned above.
- ❖ Storage information may be indicated on the product container labeling.
- ❖ Material removed from containers may be contaminated during use.
- ❖ Do not return product to the original container.
- ❖ Containers should always be kept sealed when not in use.
- ❖ If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

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**Pack Size**

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My-T-Sil® 981 RTV silicone is available in 100 ml tube, 280 ml cartridge and 20 kg bucket/pail.

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**Note**

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**METLOK PRIVATE LIMITED**

(Bonding and Sealing Solutions)

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