

## TECHNICAL DATA SHEET

### My-T-Sil® 910

Neutral RTV Silicone

January 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® 910 RTV Silicone sealant is a general industrial purpose one-part neutral cure silicone material of low viscosity that cures to a tough, rubbery substrate when exposed to moisture in the air. It has excellent resistance to weathering, ozone, solar radiation, moisture, vibrations, extremes temperature conditions and many chemicals. It adheres to metals, plastics, ceramics glass, non-oily wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, silicones resins & rubber etc.

My-T-Sil® 910 RTV Silicone is free flowing, self-leveling consistency allow it to pour from its container and can be applied as flow coating purpose in electrical and electronic part. The material is specially formulated to adhere to clean metal-including chrome- painted surfaces, glass and ceramics, most plastics, non-oily woods, fibrous cement and concrete surfaces.

My-T-Sil® 910 RTV Silicone adhesive when fully cured can be used in applications where temperature reaches 200 °C and up to 200 °C for short periods.

### Applications:

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

### Properties

Colour	: Translucent
Consistency	: Self-leveling
Appearance	: Clear
Viscosity, Brookfield @25±2 °C, Spindle # 6, Speed 20 r.p.m.	: 18000-23000 cP
ASTM D 1084	
Specific Gravity @ 25 °C	: 0.9±0.02
Service Temperature, °C	: - 65 to + 200

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

Skin Over Time, minutes	: 10 - 15
Tack Free Time, minutes	: ≥ 60
Cure Time [3mm thickness] , hours	: 24

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

Hardness, Durometer- Shore A	: 25 - 35
ASTM D 2240	
Tensile Strength, ASTM D412	: ≥ 0.1 N/mm <sup>2</sup>
Elongation, ASTM D 412, %	: 180 - 280

### Electrical Properties, After 7 days Cures @ 25±2 °C / 50±5 % RH

Dielectric Strength, ASTM D 149,	: 17 Kv/mm
Dielectric Constant, ASTM D 150,	: 2.76 @ 100 Hz
Dissipation Factor ASTM D 150	: 0.0001
Volume Resistivity ASTM D 257,	: 1 x 10 <sup>15</sup> (ohm-cm)

### Directions for Use

1. My-T-Sil® 910 is supplied ready for use. It can be readily squeezed from its cartridge and easily tooled.
2. For best performance bond surfaces should be clean and free from grease.
3. Remove excess sealant immediately with a cloth dampened with non-polar solvents.
4. Full properties will develop over 72 hrs.
5. 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.
6. Press or firmly clamp parts together. Do not slide parts together.
7. 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® 910 in the unopened container in a dry location at 25±2 °C.
- ❖ My-T-Sil® 910 will exhibit a shelf life of 6 months 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.
- ❖ After a container has been opened a plug of cured material may form in the nozzle during storage.
- ❖ When ready to re-use, unscrew the nozzle and remove the cured plug. The remaining sealant is ready to 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® 910 RTV silicone is ideally available in 100 ml tube, 280 ml cartridges and 20 Kg bucket/pail.

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## Note

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### **METLOK PRIVATE LIMITED**

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