

TECHNICAL DATA SHEET

My-T-Sil® 911 HT
Acetoxy RTV Silicone
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METLOK PRIVATE LIMITED
(An ISO 9001 Certified Company)
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Kalmeshwar – 441 501, Nagpur

Product Description

My-T-Sil® 911 HT is a self-levelling RTV silicone sealant developed specially for potting and encapsulation application where high temperature resistance is required.

Special Feature:

- ❖ High temperature resistance.
- ❖ Low viscosity, Free flowing, self-leveling consistency.
- ❖ Adheres to metals, plastics, ceramics, glass, non-oily wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, silicones resins & rubber etc.
- ❖ Excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and many chemicals.

Product Characteristic

My-T-Sil® 911 HT provides the following product characteristics

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|------------------|--|
| Technology | : Silicone |
| Chemical type | : Acetoxy |
| Components | : One component |
| Appearance | : Liquid |
| Viscosity | : Low |
| Cure | : Room temperature vulcanizing (RTV) |
| Specific Benefit | : Adheres to a wide range of Substrates. |

Applications:

- ❖ Bonding, Sealing, potting and Coating in electrical and electronic part.
- ❖ Suitable for Sealing assemblies with fine joints as well as cable entries
- ❖ Coating
 - Clean metal, plastic and glass
 - Flow coating over electric component
 - repair of industrial furnaces, ovens, boilers, exhaust stacks, high temperature ducting
- ❖ Potting
 - Electric equipment

- Heating elements in electrical appliances
- ❖ Encapsulation
 - Securing delicate component in place

Properties

| | | |
|---|---|------------------|
| Colour | : | Red |
| Consistency | : | Self-leveling |
| Appearance | : | Liquid |
| Specific Gravity @ 25 °C | : | 1.02 |
| Viscosity, Brookfield 25±2 °C, DV II + Pro Spindle no 3, Speed 10 r.p.m. ASTM D1084 | : | 8000 to 10000 cP |
| Service Temperature | : | - 65 to +300 °C |

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

| | | |
|---------------------------|---|-------------|
| Skin Over Time | : | 7-10 min. |
| Tack Free Time | : | 30- 40 min. |
| Cure Time [3mm thickness] | : | 24 hrs. |

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 | : | ≥ 0.5 N/mm ² |
| Elongation, ASTM D 412 | : | 200-300 % |

Environmental Resistance

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

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.

Storage and Handling

- ❖ Store My-T-Sil® 911 HT in a cool, dry and unopened container at 25±2 °C.
- ❖ My-T-Sil® 911 HT will exhibit a shelf life of 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.

Pack Size

My-T-Sil® 911 HT RTV silicone is ideally available in 100 ml tube, 280 ml cartridge and 20kg pail.

Note

All statements, technical information and recommendations set forth herein are based on tests which Metlok Private Limited, believes to be reliable. However, Metlok Private Limited does not guarantee their accuracy or completeness. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In no case will Metlok Private Limited be liable for direct, consequential economic or other damages.

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