

TECHNICAL DATA SHEET

My-T-Sil® 905

Neutral RTV Silicone

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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® 905 RTV Silicone sealant is a non solvent one-part neutral cure low viscosity silicone material 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.

My-T-Sil® 905 RTV Silicone sealant 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 formulated to adhere to clean metal-including chrome- painted surfaces, glass and ceramics, most plastics, nylon, cloths, non-oily woods, fibrous cement and concrete surfaces etc.

Product Characteristic

My-T-Sil® 905 provides the following product characteristics

Technology	: Silicone
Chemical type	: Oxime silicone
Components	: One component
Appearance	: Clear
Viscosity	: Low viscosity Liquid
Cure	: Room temperature vulcanizing (RTV)
Service Temperature	: -65 °C to 180 °C
Specific Application	: Potting & Encapsulation
Specific Benefit	: Self-leveling consistency And Adheres to a wide range of Substrates.

Applications

- ❖ Potting
- ❖ Encapsulation
- ❖ Coating

Properties

Colour	: Clear
Component	: Single
Consistency	: Self-leveling
Viscosity, Brookfield @ 25±2 °C, Spindle #6, Speed 2.5 r.p.m. ASTM D1084	: 13000-18000 cP
Specific Gravity @ 25 °C	: 0.85
Service Temperature, °C	: - 65 to +180

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

Skin Over Time, minutes	: 5 - 13
Tack Free Time, minutes	: ≥ 30
Cure Time [3mm thickness], hrs	: 24

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

Hardness, Durometer- Shore A, ASTM D 2240	: 14 - 18
Tensile Strength, ASTM D 412, N/mm ²	: ≥ 0.1
Elongation, ASTM D 412, %	: 100 - 180

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. My-T-Sil® 905 RTV adhesive 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 7 days.
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 material can be easily wiped away with non-polar solvents.
8. 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® 905 silicone in cool, dry place in the unopened container at 25±2 °C.
- ❖ My-T-Sil® 905 will exhibit a shelf life of 6 months from the date of manufacture when stored as mentioned above.
- ❖ Storage information may be indicated on the product container labeling.
- ❖ 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.

Pack Size

My-T-Sil® 905 silicone is ideally available in 100 ml tube, 280 ml cartridge and 20 Kg bucket/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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(Bonding and Sealing Solutions)

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