

TECHNICAL DATA SHEET

My-T-Sil® 912

RTV Silicone

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METLOK PRIVATE LIMITED
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Product Description

My-T-Sil® 912 RTV Silicone sealant is a one-part acetoxycure clear silicone material of paste-like consistency that cures to a tough, rubbery substrate when exposed to moisture in the air. It is resistant to weathering, ozone, solar radiation, moisture, vibrations. It bonds metals, plastics, ceramics, glass, wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, silicones, resins & rubber etc. My-T-Sil® 912 can be applied to overhead or vertical joints and surfaces without slumping, sagging or running off.

My-T-Sil® 912 is typically used in applications with an operating range of -65 °C to 250 °C.

My-T-Sil® 912 is available in a variety of colors including clear, white, and black.

Product Characteristics

My-T-Sil® 912 provides the following product characteristics

Technology	: Silicone
Chemical type	: Acetoxycure silicone
Components	: One component
Appearance	: Clear Paste
Viscosity	: Thixotropic Paste
Cure	: Room temperature vulcanizing (RTV)
Service temperature	: -65 °C to 250 °C
Application	: Gasket and Sealant
Flexibility	: Enhances load bearing & shock absorbing characteristics of the bond area.
Specific Application	: Gasket replacement or Gasket dressing or Sealing
Specific Benefit	: Adheres to a wide range of Substrates.

Applications

- ❖ My-T-Sil® 912 is used for OEM bonding and sealing applications, including: Appliances, Heavy equipment, Marine equipment, Recreational vehicles.

- ❖ As a formed-in-place gasket/sealant, in typical Automotive gasketing applications

Properties

Colour	: Clear
Component	: Single
Appearance	: Clear Paste
Viscosity	: Non-slump Paste
Specific Gravity @ 25 °C	: 0.94 ± 0.02
Temperature Resistance, °C	: - 65 to +250

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

Skin Over Time, minutes	: 3-6
Tack Free Time, minutes	: 8-12
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	: 30-40
ASTM D 2240	
Tensile Strength, ASTM D 412, N/mm ²	: ≥ 1
Elongation, ASTM D 412, %	: 250-300

Environmental Resistance

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

Directions for Use

1. My-T-Sil® 912 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 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[®] 912 silicone in the unopened container in a dry location at 25±2 °C.
- ❖ It has a shelf life of six month from the date of manufacture
- ❖ 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.

Pack Size

My-T-Sil[®] 912 silicone is ideally available in 100 ml tube, 280 ml cartridges 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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