

TECHNICAL DATA SHEET

My-T-Sil® 913
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® 913 is an industrial purpose one-component neutral cure, Non-Slump paste like RTV silicone for general purpose sealing, bonding and gasketing.

- ❖ Excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and chemicals.
- ❖ Adheres to metals, plastics, ceramics glass, wood, painted surfaces, concrete, natural & synthetic fibers, etc.
- ❖ Adheres well on alkali materials such as mortar and white cement
- ❖ Highly flexible. Enhances load bearing & shock absorbing characteristics of the bond area.
- ❖ Used in applications where temperature reaches 250 °C.

Applications

My-T-Sil® 913 is used in various automotive plant maintenance and small, medium, and large-sized OEM, electronic, military, and industrial components.

Properties

Colour	: Black/White
Consistency	: Non-sag
Appearance	: Paste
Cure	: Moisture
Viscosity @ 25±2 °C	: Thixotropic
Specific Gravity @ 25 °C	: 1.05±0.03
Odor	: Low Odor
Corrosivity	: Non-corrosive
Temperature Resistance	: - 65 to +250 °C

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

Skin Over Time	: 8-10 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	: 30-35
Tensile Strength, ASTM D 412	: ≥1 N/mm2
Elongation, ASTM D 412	: ≥250 %

Environmental Resistance

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

Directions for Use

1. For best performance all surfaces should be thoroughly clean with an environmentally suitable solvent to remove dirt, oil and grease.
2. 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.
3. High temperature and high humidity will accelerate the cure process; low temperature and low humidity will conversely slow the cure rate
4. The bond strength will depends on joint configuration, degree of confinement, sealant thickness and substrate porosity.
5. Minimum stress should be applied to the bonded joints until full strength is developed.
6. Full properties will develop over 7 days.
7. Excess material can be easily wiped away with non-polar solvent.

Storage and Handling

- ❖ Store product in the unopened container in a dry location.
- ❖ My-T-Sil® 913 will exhibit a shelf life of 6 months from the date of manufacture when stored as mentioned above.
- ❖ 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® 913 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.

Continuous Product Improvement **CIP** is an important policy of the company and is an ongoing activity . As such we reserve the right to improve the performance of the product continuously by modifying the formulation in a manner that it enhances the performance functions.

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