

## TECHNICAL DATA SHEET

### My-T-Sil® GPN

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® GPN RTV silicone is a general industrial purpose one-part neutral cure silicone material that cures to a rubbery matter when exposed to moisture in the air. It has excellent oil resistance. Also, it has excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and many chemicals.

My-T-Sil® GPN silicone adheres to metals, plastics, ceramics glass, non-oily wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, silicones resins & rubber etc. It is used for gasketing and sealing applications for both plant maintenance and OEM.

This product is typically used in applications with an operating range of -65 °C to 200 °C.

#### Product Characteristic

My-T-Sil® GPN silicone provides the following product characteristics

|                      |   |
|----------------------|---|
| Technology           | : Silicone  |
| Chemical type        | : Oxime silicone  |
| Components           | : One component   |
| Appearance (uncured) | : Non Slump paste   |
| Viscosity, cP.s      | : NA  |
| Cure                 | : Room temperature vulcanizing (RTV)  |
| Service temperature  | : -65 °C to 200 °C  |
| Application          | : Gasket and Sealant  |
| Flexibility          | : Enhances load bearing & shock absorbing characteristics of the bond area.             |
| Specific Application | : Gasket replacement or Gasket dressing   |
| Specific Benefit     | : Adheres to a wide range of Substrates. Excellent resistance to automotive engine oils |

#### Applications

For all general purpose bonding and sealing:

- ❖ Glass to Aluminium.
- ❖ Sealing air conditioner units, exterior flashing and duct work.
- ❖ Bonding brackets, nameplates, and gaskets in industrial applications.
- ❖ It is also used for electrical insulating applications.

#### Properties

|  |                   |
|--|-------------------|
| Colour   | : White/Black     |
| Appearance   | : Non Slump Paste |
| Specific Gravity @ 25 °C   | : 1.2             |
| Temperature Resistance (°C)  | : - 65 to +200    |
| <b>Cure Characteristics @ Room Temperature (25±2 °C) / 50±5 % RH:</b>        |                   |
| Skin over Time, minutes  | : 10 - 20         |
| Tack Free Time, minutes  | : 30-45           |
| Cure Time [3mm thickness], hours   | : 25-30           |
| <b>Physical properties: 3 mm strip cure for 7 days @ 25±2 °C / 50±5% RH:</b> |                   |
| Durometer Hardness Shore A, ASTM D 2240                                      | : 25-40           |
| Tensile Strength, ASTM D412, N/mm2   | : > 0.5           |
| Elongation, ASTM D 412, %  | : ≥250            |

#### 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® GPN silicone 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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**METLOK PRIVATE LIMITED**  
(Bonding and Sealing Solutions)  
An ISO 9001: 2015 Certified Company  
Tel.: 07118-271543/271170/272468  
Fax: 07118-272470  
Visit us at: [www.metlok.in](http://www.metlok.in)

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### Storage and Shelf Life

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- ❖ Store My-T-Sil® GPN silicone in the unopened container in a dry location.
- ❖ Store My-T-Sil® GPN silicone in cool, dry place at 25±2 °C.
- ❖ It has a shelf life of 12 months from the date of manufacture when stored in above mentioned conditions.
- ❖ 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® GPN silicone is ideally available in 100 ml tube and 300 ml cartridge.

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### Note

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