

TECHNICAL DATA SHEET

My-T-Sil[®] 980
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[®] 980 is an industrial purpose one-component neutral cure, RTV silicone for sealing and gasketing purpose

- ❖ Non-sag consistency
- ❖ Excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and chemicals.
- ❖ Excellent Adhesion to most glass, metals, plastics such as ABS, PVC, 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 200 °C.
- ❖ My-T-Sil 980 is available in black and white colours.

Applications

My-T-Sil[®] 980 is used in various automotive, electronic, military, building and industrial components.

- ❖ Widely used for sealing Electrical devices and apparatus ,lamps, induction stove etc
- ❖ Bonding gaskets in heating and refrigeration unit, induction cooker. Electric cooker, coffee maker, soybean milk machine, refrigerator, smoke machine, disinfection cabinet, fan, remote, television, air condition, all kinds of household appliances.
- ❖ Attaching scoreless brackets or name plates and tacking plastic materials to metal
- ❖ Sealing windows in oven doors and flues on gas application, flanged pipe joints, access doors.
- ❖ Bonding and sealing, electronic toys, aircraft, automobile, communication equipment, windscreen of ship, Sealing marine cabins and window
- ❖ Filleting and caulking joints in steel metal stacks, duct work and equipment housing.

Product Characteristic

My-T-Sil[®] 980 provides the following product characteristics

Technology	: Silicone
Chemical type	: Alkoxy Cure silicone
Components	: One component
Appearance	: Black / White
Cure	: Room temperature vulcanizing (RTV)
Service Temperature	: -55 °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	: 1. Non-corrosive cure 2. Good tear strength 3. Excellent resistance to automotive oils

Properties

Colour	: Black/ White
Consistency	: Non-sag
Cure	: Moisture
Viscosity @ 25±2 °C	: Thixotropic
Specific Gravity @ 25 °C	: 1.3±0.1
Odour	: Low Odour
Corrosivity	: Non-corrosive

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

Skin Over Time	: 7-10 minutes
Tack Free Time	: 15-20 minutes
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 ± 3
Tensile Strength, ASTM D 412,	: ≥ 1.0 N/mm ²
Elongation, ASTM D 412	: ≥ 250 %

Environmental Resistance

The product retains effective properties in contact with automotive fluids, such as alcohol, motor oil, diesel, 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 72 hrs.
7. Excess material can be easily wiped away with non-polar solvent.

Storage and Handling

- ❖ Store product in the unopened container in a dry, cool location at 25±2⁰C.
- ❖ My-T-Sil[®] 980 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[®] 980 is ideally available in 100 ml tube and 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.

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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