

## TECHNICAL DATA SHEET

### My-T-Sil® 3002 (A & B)

2K 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® 3002 (A & B) is a 2-component, thermally conductive silicone elastomer system specially designed for protection of electrical and electronic components. The cured product is a flexible, medium to high modulus elastomer. My-T-Sil® 3002 (A & B) component parts are readily mixed in a simple 1:1 ratio.

#### Key Features

- ❖ Good thermal Conductivity.
- ❖ Low viscosity.
- ❖ Room Temperature Curing.
- ❖ 1:1 mixing ratio
- ❖ Flowable grade for fast processing.

#### Properties

Color (mix adhesive)	:	Grey
Resin	:	Off White
Hardener	:	Dark Grey
Component	:	Two
Specific Gravity @ 25 °C		
Part A	:	1.74
Part B	:	1.66
Viscosity, Brookfield DV1 @25±2°C, Spindle no 6, Speed 20 r.p.m.		
Part A	:	7000 to 10000 cP
Part B	:	10000 to 15000 cP
Mix ratio	:	1:1
Thermal conductivity, ISO 22007	:	0.7 W/m-°K
Temperature Resistance,	:	-50 to 250 °C

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

Pot life (100g mix)	:	25-30 min.
Total Cure	:	3 Hrs.

#### Physical properties: 10mm block cured for 24 hrs @ 25±2 °C / 50±5% RH

Hardness, Durometer-Shore A, ASTM D 2240	:	45-50
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#### Directions for Use and Cure Information

1. Mix My-T-Sil® 3002 A and B parts in a simple 1:1 ratio until a uniform mix is achieved. Care should be taken during mixing to avoid excessive aeration. However in most cases de aining is not required.
2. The typical pot life of 30 minutes at 25 °C allows adequate time for mixing, degassing and pouring. For faster cure the product can be heat accelerated.
3. The two components may be mixed either by hand or using a low-speed electric mixer to minimize the introduction of air into the mixture. It is essential that the mixing head produces a uniform blend of the two components.
4. My-T-Sil® 3002 require no post curing and can be placed in service immediately following the completion of the cure cycle.

#### Storage and Handling

- ❖ My-T-Sil® 3002 (A & B) should be stored in its original unopened containers in cool, dry place at 25±2 °C temperatures. Containers should always be kept sealed when not in use.
- ❖ My-T-Sil® 3002 (A & B) will exhibit a shelf life of 6 months from the date of manufacture when stored as mentioned above.

#### Pack Size

My-T-Sil® 3002 (A&B) is supplied in kits consisting of 2 packages containing the weight of Parts 'A' and 'B' as per the ratio.

#### Note

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**METLOK PRIVATE LIMITED**

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