

TECHNICAL DATA SHEET

My-T-Sil® 3015 (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® 3015 (A & B) is a 2-component silicone elastomer system specially designed for mould making and potting applications where faster cure speeds are required. It cures at room temperature and develops high elongation and flexibility in quick time. Good flow properties makes My-T-Sil® 3015 suitable for mould and parts with complex shape and deep undercuts.

Key Features

- ❖ Faster curing time
- ❖ Room temperature curing.
- ❖ High elongation and flexibility.

Applications

- ❖ Mould making
- ❖ Potting

Properties

Colour (mix adhesive)	: Off White
Resin	: White
Hardener	: Clear
Component	: Two
Specific Gravity @ 25 °C	
Part A	: 1.2±0.03
Part B	: 1.0±0.03
Viscosity Brookfield @25±2°C	
Part A	: 45000 to 55000
Spindle no 6, Speed 20 rpm	cP
Part B	: 30 to 60 cP
Spindle no 2, Speed 100 rpm	
Mix ratio	: 100 : 5
Temperature Resistance,	: -50 to 250 °C

Cure Characteristics @ Room Temperature

(25±2 °C)/ 50±5 % RH

Pot life	: 40 - 50 min.
Total Cure	: 36 Hrs.

**Physical properties: 3 mm strip cure for 24 hrs
@ 25±2 °C / 50±5% RH**

Hardness, Durometer - Shore A, ASTM D 2240	: 15-22
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Tensile Strength , : ≥ 1 N/mm²
ASTM D 412

Elongation, ASTM D 412 : ≥ 350 %

**Properties: 3 mm strip cured for 7 days @ 25±2
°C / 50±5% RH**

Tear Strength ASTM D624 : 4.11 N/mm

Directions for Use and Cure Information

1. Mix My-T-Sil® 3015 A and B parts in a simple 100:5 ratio until a uniform mix is achieved. Care should be taken during mixing to avoid excessive aeration. However in most cases de ailing is not required.
2. The typical pot life of 60 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® 3015 require no post curing and can be placed in service immediately following the completion of the cure cycle.

Storage and Handling

- ❖ My-T-Sil® 3015 (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® 3015 (A & B) will exhibit a shelf life of 6 months from the date of manufacture when stored as mentioned above in original containers.

Pack Size

My-T-Sil® 3015 (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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