

# SEMICOSIL<sup>®</sup> 9672 TC

## Room Temperature Curing Silicone Rubber (RTV-2)

SEMICOSIL<sup>®</sup> 9672 TC is a thermal conductive gap filler silicone material used as heat sink application for the electronic industrie.

### Properties

SEMICOSIL<sup>®</sup> 9672 TC is a shear-thinning, non-slump, addition-curing, two part silicone gel that cures at room temperature to a soft gel with excellent thermal conductivity.

- Gap filler rubber, thermal conductivity
- Low stress, soft and tacky
- Low density
- Low volatile

## Technical data

### Properties Uncured

Property	Condition	A	B	Method
Color	-	Red	White	-
Density	25 °C	2.3 g/cm <sup>3</sup>	2.3 g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Viscosity, dynamic	25 - 25 °C   10 - 1 1/s	160.000 - 430.000 mPa·s	130.000 - 380.000 mPa·s	ISO 3219
Catalyst	-	A	-	-
Thermal conductivity	25 °C	3.2 W/m.K	3.2 W/m.K	DIN 52612

These figures are only intended as a guide and should not be used in preparing specifications.

### Properties Cured

Property	Condition	Value	Method
Mix ratio	-	1 : 1	A : B
Hardness Shore 00	-	60 - 70	ASTM D 2240
Flame Rating	-	V0	Internal test acc. UL94

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

SEMICOSIL® electronics applications

## Applications

- Automotive Electronics
- Battery
- Electronic Control (ECU) & Power Control Units (PCU) & Sensors
- Thermal Interface Management

## Processing

### Processing

SEMICOSIL 9672 TC is preferentially using follower-plate and high pressure feeding technology. Presence of abrasive fillers requires the use of suitable equipment for feeding pumps and dispensing head. Material is non slump, however contains high density fillers.

## Packaging and storage

### Packaging

SEMICOSIL® 9672 TC is available in 30kg Hobbocks and 280kg Drums.

### Storage

SEMICOSIL® 9672 TC has a shelf life of at least 6 months when stored between 5 °C and 30 °C in the originally sealed container. The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## QR Code SEMICOSIL® 9672 TC



### For technical, quality or product safety questions, please contact:

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