SEMICOSIL® 9671 TC2 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

SEMICOSIL® 9671 TC2 A/B is a thermal conductive gap filler silicone material used for heat sink applications in the electronic industrie.

Properties

SEMICOSIL® 9671 TC2 A/B is a shear-thinning, easy-dispensing, non-slump, addition-curing, two part silicone rubber that cures at room temperature to a crosslinked, soft rubber with excellent thermal conductivity.
- Gap filler rubber, thermal conductivity
- No oil bleeding
- Low stress, soft and tacky
- Low density
- Low volatile

Technical data

Properties Uncured

Property	Condition	Value	Method
A-Component	-	Green	-
B-Component	-	White	-
Density	23.0 °C	approx. 2.0 g/cm^3	DIN EN ISO 1183-1 A
A-Component	25 °C | 10 1/s	120000 mPa·s	DIN EN ISO 3219
B-Component	25 °C | 10 1/s	100000 mPa·s	DIN EN ISO 3219

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

Properties Cured

Cure conditions: 23°C / 50% RH

Property	Condition	Value	Method
Mix ratio	-	1 : 1	A : B
Volume resistivity	25 °C	1.1x10^14 Ohmcm	IEC 62631-3-1
Heat capacity	-	1.14 J/gK	-
Thermal conductivity	25 °C	2.5 W/m.K	ASTM D 5470-12
UL94[(1)]	-	V0	-

[1]acc. internal testing

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

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 Materials

Application details

The platinum catalyst is contained in component A.
Only components A and B with the same lot number may be processed together!
All listed, representative properties have been determined after homogenization and degassing of the material

Packaging and storage

Packaging

SEMICOSIL® 9671 TC2 A/B is available in 30kg Hobbocks and 280kg Drums.

Storage

SEMICOSIL® 9671 TC2 A/B has a shelf life of 6 months calculated from date of production, at least 3 months when delivered. The material has to be stored between 5 °C and 30 °C in the originally sealed container. The 'Best use before end' date of each batch is shown 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.
SEMICOSIL® 9671 TC2 A/B contains a high load of fillers which may tend to sedimentation over longer storage time. In order to ensure a uniform product mix and the specified properties, a re-homogenization step is obligatory after more than 3 months from production date. Biaxial mixers have turned out to suit best.

Safety notes

According to the latest findings addition curing SEMICOSIL® 9671 TC2 A/B silicone rubber contains neither toxic nor corrosive substances which might require special handling precautions. General hygiene regulations should be observed. Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site http://www.wacker.com.

QR Code SEMICOSIL® 9671 TC2 A/B

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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.