

SEMICOSIL[®] 962 TC A/B



Room Temperature Curing Silicone Rubber (RTV-2)

Thermally conductive gap filler paste material.

Properties

SEMICOSIL[®] 962 TC A/B is a shear-thinning, easy-dispensing, non-slump, addition-curing, two part silicone rubber that cures at room temperature to a soft, flexible and tacky rubber with excellent thermal conductivity.

- Gap filler paste, thermal conductivity 3.0 W/mK
- No oil bleeding
- Constant properties from – 50 °C to +180 °C
- low stress, soft and tacky
- D4-D8 < 350 ppm
- Low abrasive

Technical data

Properties Uncured

Property	Condition	Value	Method
Color of Component A	-	red	-
Color of Component B	-	white	-
Density (Component A)	23 °C	3.1 g/cm ³	DIN EN ISO 1183-1 A
Density (Component B)	23 °C	3.1 g/cm ³	DIN EN ISO 1183-1 A
Viscosity, dynamic (Cone-plate viscosimeter)	23 °C	150000 mPa·s	ISO 3219, D = 10 1/s
Viscosity, dynamic (Cone-plate viscosimeter)	23 °C	150000 mPa·s	ISO 3219, D = 10 1/s

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

Properties Catalyzed A+B

Property	Condition	Value	Method
Viscosity, dynamic of mix	23 °C	150000 mPa·s	ISO 3219, D = 10 1/s
Platinum catalyst in component	-	A	-
Mix ratio ⁽¹⁾	-	1 : 1	-
Pot Life (up to 1000000 mPa·s)	23 °C	60 min	-

¹, parts by weight

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Properties Cured

Cured for 10 min at 165 °C.

Property	Condition	Value	Method
Color	-	red	-
Density in water	23 °C	3.1 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore 00	-	50	ASTM D 2240
Volume resistivity	-	> 10 ¹³ Ohmcm	-
Dielectric strength	-	7 kV/mm	-
Content siloxane D4-D8	-	< 350 ppm	NSCG012
Flame Rating vertical test	-	V-O	Internal test acc. UL94
Heat capacity	30 °C	1 J/gK	-
Maximum particle size	-	90 µm	-
Thermal conductivity	-	3 W/m.K	-

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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.

Applications

- Battery
- Power Control Unit (PCU)
- Thermal Interface Materials

Application details

- Automotive electronics
- Interface material for heat sink applications for the electronics industry
- Heat sink of EH/HEV batteries

Processing

The platinum catalyst is contained in component A.

Only components A and B with the same lot number may be processed together!

Temperature	Curing time, thickness 6 mm, 90% cure
25 °C	300 min
100 °C	10 min

Packaging and storage

Packaging

- Drum 280 kg / 90 l
- Pail, Hobcock 30 kg / 10.7 l
- EURO cartridge 868 gr / 300 cc
- SEMCO on request for sampling 20 Oz, 6 Oz

Storage

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.

Safety notes

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® 962 TC A/B



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

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