

SEMICOSIL[®] 988/1K GREY



1-part heat-curing silicone rubber

SEMICOSIL[®] 988/1K GREY is a non-slump, thermally curable, addition curing one-part silicone rubber.

Properties

- Ready-to-use, one-part system
- Low viscosity during dispensing
- Low thermal stress sealing adhesive
- Modulus, Medium hardness
- High flexibility
- Excellent primerless adhesive to many substrates

Technical data

Properties Uncured

Property	Condition	Value	Method
Viscosity, dynamic (D = 0.5 sec ⁻¹)	25.0 °C	440000.0 mPa·s	ISO 3219
Viscosity, dynamic (D = 25 sec ⁻¹)	25.0 °C	34000.0 mPa·s	ISO 3219
Color	-	gray	-
Density	23.0 °C	1.10 g/cm ³	ISO 1183-1 A

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

Properties Cured

Property	Condition	Value	Method
Hardness Shore A ⁽¹⁾	-	35	ASTM D 2240
Tensile strength ⁽²⁾	-	4.5 N/mm ²	DIN 53504 S2
Elongation at break ⁽³⁾	-	350 %	DIN 53504 S2
Color	-	gray	-
Density	23 °C	1.10 g/cm ³	DIN EN ISO 1183-1 A
Modulus at 100 % elongation	100.0 %	0.5 N/mm ²	-
Tear resistance ⁽⁴⁾	-	24.0 N/mm	ISO 37

¹Measured at 23°C; Cured for 30 min at 150°C in a circulating oven

²measured at 23°C on pressed sheet 165°C/15 min

³measured at 23°C on pressed sheet 165°C/15 min

⁴measured at 23°C on pressed sheet 165°C/15 min

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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

- Bonding & Sealing
- Electrics & Electronics
- Measurement & Control, Sensor Technology
- Power Control Unit (PCU)
- Power Electronics

Application details

- FIPG and CIPG applications

Processing

Surface Preparation

Dispensing

Because of the high thixotropy (shear thinning effect) SEMICOSIL® 988/1K grey can be dispensed easily with all dispensing equipments.

Since silicones dissolve notable amounts of air, an in-line degassing is recommended.

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Curing

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SEMICOSIL® 988/1K grey works best when cured at 125 °C or more. Curing time should be adapted to the size and heat sink properties of the components and parts. Typical values are shown in the corresponding table.

Temperature	Curing time, thickness 1 cm
100 °C	6 h
130 °C	1 h
150 °C	10 min

Packaging and storage

Storage

SEMICOSIL® 988/1K GREY should be stored between +5 and +25°C in its tightly closed 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.

Safety notes

According to current knowledge, SEMICOSIL® 988/1K GREY contains neither toxic nor aggressive constituents that would necessitate special precautionary measures during handling. Consequently, general industrial hygiene precautions suffice. Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SEMICOSIL® 988/1K GREY



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

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