

SEMICOSIL[®] 9242



Thermally Curing Silicone Rubber (RTV-2)

SEMICOSIL[®] 9242 is a pourable, thermally curable, addition-curing one-part silicone rubber that cures to a very soft silicone gel.

Properties

- one-part, ready-to-use
- thixotropic (shear thinning)
- rapid heat cure
- forms a soft gel on vulcanization
- low content of volatiles
- low content of uncured polymer
- low ion content
- ultraviolet fluorescing

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	translucent	-
Density	23 °C	0.98 g/cm ³	-
Viscosity, D=0.5 1/s	25 °C	20000 mPa·s	ISO 3219
Viscosity, D=100 1/s	25 °C	2500 mPa·s	ISO 3219

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

Properties Cured

Cured for 30 min at 150°C.

Property	Condition	Value	Method
Color	-	translucent	-
Density	23 °C	0.98 g/cm ³	ISO 2781
Content Extractable Ion, 121 °C / 48 h (Na, K, Li, Cl)	121 °C 48 h	≤ 5.0 ppm	-
Hardness penetration (quarter cone, 9.38 g)	-	50 1/10mm	DIN ISO 2137
Penetration quarter cone, 9.38 g	-	50 1/10mm	-

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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

- Automotive Electronics
- Electronic Control Unit (ECU)
- Electronics
- Measurement & Control, Sensor Technology
- Potting & Encapsulation
- Power Control Unit (PCU)

Processing

Temperature	Curing time, thickness 1 cm
100 °C	240 min
130 °C	40 min
150 °C	10 min

Packaging and storage

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

According to the latest findings, the addition-curing silicone rubber SEMICOSIL® 9242 contains neither toxic or corrosive substances which would require special handling precautions. 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® 9242



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

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