

CENUSIL[®] M 820 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing RTV-2 silicone rubber that cures at room temperature.

Main application: Making molds for (concrete) casting.



Properties

- Excellent flowability
- High tear strength
- Low hardness /Shore A 20)
- Mixing ratio of 1:1 for straightforward processing
- Fast and non shrink cure at room temperature which can be accelerated considerably by application of heat
- Excellent long-term stability of the mechanical properties of the vulcanizate
- Good resistance to common reproduction materials

Specific features

- Addition Curing
- Fast curing at room temperature
- Flowable
- No chemical shrinkage
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	white	translucent	-
Density 23°C	-	1.05 g/cm ³	1.05 g/cm ³	DIN EN ISO 2811-1
Viscosity, dynamic 23°C	-	6000 mPa·s	6000 mPa·s	ISO 3219

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

Properties Catalyzed A+B

Property	Condition	Value	Method
Color	-	white	-
Mix ratio	-	1 : 1 pbw	A : B
Pot Life 23°C	-	40 min	DIN EN ISO 2555
Demoldable 23°C	-	4 h	-

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Properties Cured

Property	Condition	Value	Method
Hardness Shore A	-	20	DIN ISO 48-4
Tensile strength	-	4 N/mm ²	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1
Tear strength	-	-	ASTM D 624 B

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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 molding
- Reproduction Molding

Application details

Due to its good resistance to all common reproduction materials, e.g. casting resins, concrete, as well as the superior mechanical properties, CENUSIL® M 820 A/B is especially suitable for all molds of models with extensive undercuts.

As a low-Shore A addition silicone rubber that cures without undergoing dimensional shrinkage, CENUSIL® M 820 A/B is also suitable if absolutely accurate copies of models are required.

Packaging and storage

Packaging

- CENUSIL® M 820 A 20 KG HOBBOCK PE
- CENUSIL® M 820 A 200 KG DRUM SB
- CENUSIL® M 820 B 20 KG HOBBOCK SB
- CENUSIL® M 820 B 200 KG DRUM SB

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

Components A and B of the additions-curing grades CENUSIL® M 820 A/B contain only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via <http://wacker.com>.

QR Code CENUSIL® M 820 A/B



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

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