

CENUSIL® M 825 A/B

RTV-2 Silicone Rubber / Mold Making

Characteristics

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

Special characteristics

- Excellent flowability and self-deaeration
- High tear strength
- Low hardness (Shore A 28)
- Mixing ratio of 1:1 for straightforward processing
- Fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- Excellent long-term stability of the mechanical properties of the vulcanizate
- Good resistance to common reproduction materials

Application

Due to its good resistance to all common reproduction materials, e.g. casting resins, concrete, as well as the superior mechanical properties, CENUSIL® M 825 A/B is especially suitable for all molds of models with extensive undercuts.

As a low-Shore addition-curing silicone rubber that cures without undergoing dimensional shrinkage, CENUSIL® M 825 A/B is also suitable if absolutely accurate copies of models are required.

Product data (uncured)

Property	Test method	Unit	Value	
Component			A	B
Color			white	translucent
Density at 23 °C	ISO 2811	[g/cm ³]	1.05	1.05
Viscosity	Brookfield	[mPa s]	6,000	6,000

Product data (catalyzed A + B)

Property	Test method	Unit	Value
Mixing ratio		A : B	1 : 1
Color			white
Pot life (up to 60,000 mPas)		[min]	40
Curing time, tack-free		[h]	4

Product data (cured)

Property	Test method	Unit	Value
Hardness Shore A	ISO 868		28
Tensile strength	ISO 37	[N/mm ²]	5
Elongation at break	ISO 37	[%]	450
Tear strength	ASTM D 624 B	[N/mm]	20

Vulcanizate after 24 h at 23 °C.

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

Processing

Mix components A and B in a ratio of 1 : 1.

Important note:

The platinum catalyst is contained in component A.

Important:

A and B components may only be used together if they have **the same batch number**.

Comprehensive instructions are given in our leaflet "Wacker RTV-2 Silicone Rubber - Processing."

Storage

CENUSIL® M 825 A/B should be stored between 5 °C and 30 °C in the tightly closed original container. The 'Best use before end' date of each batch appears 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 instructions

Components A and B of the addition-curing grade CENUSIL® M 825 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.

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

Additional information

Please visit our website www.wacker.com

The data presented in this leaflet 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 leaflet 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 recommendations do 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.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

Wacker Chemie AG
WACKER-SILICONES
Hanns-Seidel-Platz 4
D-81737 München

www.wacker.com
silicones@wacker.com