

ELASTOSIL[®] M 4125 F A/B

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Room Temperature Curing Silicone Rubber (RTV-2)

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

Main application: Making shrink-free molds with excellent reproduction accuracy.



Properties

- Low viscosity
- Easy to meter and mix due to 1:1 ratio
- Medium hardness (28 Shore A)
- Excellent mechanical properties
- Very fast and non-shrink cure at room temperature
- Easy demolding

Specific features

- Addition Curing
- BfR compliant
- Excellent mechanical properties
- Fast curing at room temperature
- FDA compliant
- Flowable
- Food-contact
- Low viscosity
- 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	ISO 2811
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	-
Viscosity, dynamic	23 °C	6000 mPa·s	ISO 3219
Mix ratio	-	1 : 1	A : B
Pot Life up to 100000 mPas	23 °C	15 min	DIN EN ISO 2555
Demoldable at 23 °C	-	2 h	-

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Properties Cured

Property	Condition	Value	Method
Hardness Shore A	-	28	ISO 868
Tensile strength	-	5.0	DIN ISO 37
Elongation at break	-	500	ISO 37
Tear strength	-	25	ASTM D 624 B

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Applications

- Reproduction Molding

Application details

As a low-Shore addition-curing RTV-2 silicone rubber that cures without undergoing dimensional shrinkage, **ELASTOSIL® M 4125 F A/B** is extremely suitable for casting all common reproduction materials, particularly if absolutely accurate copies of models with pronounced undercuts are required.

Processing

Detailed instructions for preparation and use are given in the brochure "Room Temperature Vulcanizing (RTV) Silicones - Material and Processing Guidelines".

Important note:

The platinum catalyst is in **component A**.

Caution:

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

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

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 www.wacker.com.

QR Code ELASTOSIL® M 4125 F A/B



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

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