

# ELASTOSIL<sup>®</sup> M 4110 US A/B



## Room Temperature Curing Silicone Rubber (RTV-2)

Pourable, addition-curing, 1:1 two-component silicone rubber that vulcanizes at room temperature.

### Properties

- Very good flow
- Fast and non-shrink cure at room temperature which can be accelerated considerably by the application of heat
- Soft (Shore A approx. 8)
- Excellent long-term stability
- Great resistance to common casting resins

## Technical data

### Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	translucent	-
Density	23 °C	1.08 g/cm <sup>3</sup>	1.11 g/cm <sup>3</sup>	-
Viscosity, dynamic mixed	23 °C	20000 mPa·s	21000 mPa·s	Brookfield
Specific gravity	23 °C	1.08 g/cm <sup>3</sup>	1.11 g/cm <sup>3</sup>	-

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

### Catalyzed

Property	Condition	Value	Method
Color	-	translucent	-
Mixed Viscosity	23 °C	20000 cP	Brookfield
Platinum catalyst in component	-	A	-
Mix ratio <sup>(1)</sup>	-	1 : 1	-

<sup>(1)</sup>(pbw)

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

## Properties Cured

Cure conditions: 24 h / 23 °C.

Property	Condition	Value	Method
Color	-	translucent	-
Tear strength	-	85 lb/in	ASTM D 624 B
Hardness Shore A	-	8	ASTM D 2240
Tensile strength	-	600	ASTM D 412
Elongation at break	-	850 %	ASTM D 412
Linear shrinkage	-	< 0.1 %	-

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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.

## Application details

ELASTOSIL® M 4110 US A/B is especially suitable for preparing glove molds, i.e. one part skin molds.

The benefits are easy and quick mold making as well as straight forward demolding and seamless copies. Hence no further rework of the reproduction is required and process time is being extensively reduced.

As a low-Shore addition-curing RTV-2 silicone rubber that cures without undergoing dimensional shrinkage, ELASTOSIL® M 4110 US A/B is also extremely suitable for casting all other common reproduction materials, particularly if absolutely accurate copies of models with pronounced undercuts are required.

## Processing

### Important

The platinum catalyst is contained in component A.

### Caution

Only components A and B with the **same lot number** may be processed together!

To ensure optimum flow of the material, the components must be stirred thoroughly before they are removed or processed in their containers.

The tables below indicate the pot lives and curing times at various temperatures.

The pot life figures indicate the time required for the mix to reach a viscosity of 60 000 mPa s.

The curing times apply to a layer thickness of 0.40".

### Pot lives

Processing temperature		
-15 °C	[d]	> 2
5 °C	[h]	6
15 °C	[h]	4
23 °C	[min]	30
30 °C	[min]	20

### Curing times

Curing temperature		
23 °C	[h]	12
35 °C	[h]	3
70 °C	[min]	30
100 °C	[min]	15
150 °C	[min]	5

Comprehensive instructions are given in our "ELASTOSIL® MOLDBAKING FACTBOOK".

## Packaging and storage

### Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis.

Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

### QR Code ELASTOSIL® M 4110 US A/B



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

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