

ELASTOSIL® VARIO 15

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Room Temperature Curing Silicone Rubber (RTV-2)

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

Can be blended with ELASTOSIL® VARIO 40 to achieve any target hardness between 15 and 40 Shore A.

See our flyer:

"ELASTOSIL® VARIO MODULAR ADDITION CURING SYSTEM"



Properties

- Two base components, two catalysts
- Easy to process because of low viscosity
- Fast and non-shrink cure at room temperature, adjustable over a wide range
- Low hardness 15 Shore A
- High elongation, outstanding tensile strength
- Excellent tear strength
- Cured rubber is translucent and colorless
- Can be pigmented with 1 - 4 % ELASTOSIL® Pigment Pastes FL

Specific features

- Addition Curing
- BfR compliant
- FDA compliant
- Flowable
- Food-contact
- Low viscosity
- No chemical shrinkage
- Two-component

Technical data

Properties Uncured

Property	Condition	Value	Method
Color	-	Translucent	-
Density 23°C	-	1.06 g/cm ³	DIN EN ISO 2811-1
Viscosity, dynamic 23°C, stirred	-	5.000 mPa·s	ISO 3219

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

Catalyzed

Property	Condition	Value	Method
Viscosity, dynamic 23°C	-	3.000 mPa·s	ISO 3219
Mix ratio with ELASTOSIL® Catalyst Vario or Catalyst Vario F	-	10 : 1 pbw	-
Pot Life 23°C, Catalyst Vario F, up to 100000 mPas	-	2 min	DIN EN ISO 2555
Pot Life 23°C, Catalyst Vario up to 100000 mPas	-	150 min	DIN EN ISO 2555
Demoldable 23° C with ELASTOSIL® Catalyst VARIO F	-	15 min	-
Demoldable 23°C with ELASTOSIL® Catalyst VARIO	-	6 h	-

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Properties Cured

Property	Condition	Value	Method
Density 23°C in water	-	1.06 g/cm ³	DIN EN ISO 1183-1 A
Hardness Shore A	-	15	DIN ISO 48-4
Tensile strength	-	6.5 N/mm ²	ISO 37 type 1
Elongation at break	-	900 %	ISO 37 type 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.

Applications

- Prototype Molding
- Reproduction Molding

Application details

Due to its resistance to all common reproduction materials, e.g. casting resins, concrete, plaster, as well as the mechanical properties, ELASTOSIL® VARIO 15 is especially suitable for all molds..

As a low Shore A addition silicone rubber that cures without undergoing dimensional shrinkage, ELASTOSIL® VARIO 15 is also suitable if absolutely accurate copies of models are required.

Packaging and storage

Packaging

ELASTOSIL® VARIO 15 5 KG CANISTER
ELASTOSIL® VARIO 15 20 KG HOBBOCK PE
ELASTOSIL® VARIO 15 200 KG DRUM SB

Storage

ELASTOSIL® VARIO 15 should be stored between 5 °C and 25 °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 notes

ELASTOSIL® VARIO 15 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.

QR Code ELASTOSIL® VARIO 15



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

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