

ELASTOSIL[®] C 1500 US A/B



Room Temperature Curing Silicone Rubber (RTV-2)

System for the production of reusable silicone vacuum bags.

Properties

- Moderate viscosity
- Excellent mechanical properties
- Fast and non-shrink cure at room temperature
- Easy to demold
- Low slump on vertical surfaces

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	Transparent	Blue	-
Viscosity, dynamic	23 °C	26000 mPa·s	40000 mPa·s	-
Specific gravity	23 °C	1.05 g/cm ³	1.05 g/cm ³	-

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	-	Blue	-
Mix ratio	-	1 : 1 pbw	-
Pot Life	-	20 min	-
Demoldable	-	60 min	-

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Properties Cured

After 24 hours at 23 °C

Property	Condition	Value	Method
Tear strength	-	25 N/mm	ASTM D 624 B
Hardness Shore A	-	27	ISO 868
Tensile strength	-	5 N/mm ²	ISO 37
Operating temperature	-	220 °C	-

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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® C 1500 US A/B has been especially developed for the professional production of reusable silicone rubber vacuum bags, used for the production of composite parts.

Processing

ELASTOSIL® C 150 US A/B may be processed using a manual or pneumatic gun. It is supplied in a double cartridge and will be applied directly onto the tool. For larger amounts it may also be processed using a 2-component mixing and metering machine. We recommend to post-curing the vacuum bag for 2-3 hours at operating temperature, 220 °C max.

Important

The platinum catalyst is contained in component

B.

Caution

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

Packaging and storage

Storage

ELASTOSIL® C 1500 US A/B has a shelf life of at least 12 months when 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 notes

Components A and B of the addition-curing grade ELASTOSIL® C 1500 US 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.

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

QR Code ELASTOSIL® C 1500 US A/B



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

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