ELASTOSIL® C 1200 A/B

ELASTOSIL®

Room Temperature Curing Silicone Rubber (RTV-2)

Room temperature vulcanizing, addition-curing, two component silicone rubber (to be processed via brushing, spraying, casting).

System for the production of reusable silicone vacuum bags.

Properties

- low viscosity
- shear thinning
- good mechanical properties
- rapid curing
- easily remoldable

Specific features

- Addition Curing
- Fast curing at room temperature
- Flowable
- No chemical shrinkage
- Resistance against epoxy resins
- Resistance against polyester
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	transparent	blue	-
Density	23 °C	1.05 g/cm^3	1.05 g/cm^3	DIN EN ISO 2811-1
Viscosity, dynamic	23 °C	20000 mPa·s	20000 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
Color	-	blue / translucent	-
Mix ratio	-	1 : 1	A : B
Pot life	-	20 min	-
Demoldable after	-	60 min	-

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

Properties Cured

Vulcanizate after 24 h at 23 °C

Property	Condition	Value	Method
Color	-	blue/translucent	-
Tear strength	-	25 N/mm	ASTM D 624 B
Hardness Shore A	-	25	DIN ISO 48-4
Tensile strength	-	5 N/mm^2	ISO 37 type 1
Elongation at break	-	500 %	ISO 37 type 1

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

Applications

- Composite molding

- Mold Making of Vacuum Bags

Application details

ELASTOSIL® C 1200 A/B has been especially developed for the professional production of reusable vacuum bags, used for the production of composite parts. Due to its shear thinning behavior it will be self leveling, yet not running off vertical surfaces.

It's medium term pot-life will allow the use on larger surfaces, still enabling a quick curing of the bag.

Processing

ELASTOSIL® C 1200 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.

On larger surfaces it may also be sprayed using compressed air.

We recommend to post-curing the vacuum bag for 2-3 hours at operating temperature, 220 °C max.

Important note:

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

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

Please check also our brochures and info sheets.

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

Components A and B of the addition-curing grade ELASTOSIL® C 1200 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.

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 http://www.wacker.com.

QR Code ELASTOSIL® C 1200 A/B

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

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com