

ELASTOSIL® C 1500 A+B US

COMPOSITES

Product description

System for the production of reusable silicone vacuum bags.

Special features

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

Application

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

Processing

ELASTOSIL® C 1500 A+B US 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, 200 °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!

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 Material Safety Data Sheet.

Specifications

Typical property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones for assistance and recommendations before writing specifications on this product.

Contact:

Wacker Chemical Corporation
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Product data

Typical general characteristics

Typical general characteristics	Inspection Method	Value
Component A		
Color		Transparent
Density at 23 °C	ISO 2811	1.09 g/cm ³
Viscosity at 23 °C	ISO 3219	26000

Component B		
Color		Blue
Density at 23 °C	ISO 2811	1.09 g/cm ³
Viscosity at 23 °C	ISO 3219	40000

Product data (catalyzed A + B)		
Mix ratio p.b.w.		1 : 1
Color		Blue
Pot life		20 min
Demoldable after		60 min

Product data (cured)		
Hardness Shore A	ISO 868	27
Tensile strength	ISO 37	5.00 N/mm ²
Elongation at break	ISO 37	500 %
Tear strength	ASTM D 624 B	25 N/mm
Maximum operating temperature		230 °C

After 24 h at 23°C. These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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

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