

# BLUESIL RTV 3535 P A&B

<b>Description</b>	<b>BLUESIL RTV 3535 P A&amp;B</b> is a two-component silicone elastomer which cures at room temperature by a polyaddition reaction and leads to a flexible and elastic material.
<b>Examples of applications</b>	<ul style="list-style-type: none"> <li>Taking quick imprints in the production of tooling and master prototype models sectors.</li> </ul>
<b>Key benefits</b>	<ul style="list-style-type: none"> <li>Easy processing</li> <li>Low linear shrinkage</li> <li>Very Quick curing</li> <li>Good imprint definition</li> </ul>

## Typical properties

### 1. Characteristics of the non cured product

Properties	RTV 3535 P A	RTV 3535 P B
<b>Appearance</b>	Paste	Paste
<b>Colour</b>	White	Blue
<b>Specific gravity</b> (at 23 °C, g/cm <sup>3</sup> , approx.)	1,55	1,55
<b>Penetration</b> (1/10mm, approx.)	250	250

### 2. Polymerization

BLUESIL RTV 3530 P A: 100 parts

BLUESIL RTV 3530 P B: 100 parts

Properties	BLUESIL RTV 3535 P A&B
<b>Working Time</b> (at 23 °C, minutes, approx.)	2 - 3
<b>Setting time</b> (at 23 °C, minutes, approx.)	5
<b>ShA hardness</b> after 10 minutes (at 23 °C, approx.)	28

### 3. Characteristics of the cross linked product

Measures carried out after cross linking over 24 hours at 23 °C

Properties	BLUESIL RTV 3535 P A&B
<b>Shore A hardness</b> (on a 6 mm thick specimen, approx.)	32-34
<b>Tensile strength</b> (MPa, approx.)	0.8
<b>Elongation at break</b> (% , approx.)	150
<b>Tear strength</b> (KN/m, approx.)	5
<b>Linear shrinkage</b> (%)	0.1

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

# BLUESIL RTV 3535 P A&B

<b>Instruction of use</b>	<p><b>Remix each of the two components (part A and B) every time before using.</b></p> <p><b>1. Mixing of the two components</b></p> <p>To 100 parts of <b>BLUESIL RTV 3535 P A</b> add 100 parts by weight of <b>BLUESIL RTV 3535 P B</b>. The two components are thoroughly mixed together, either manually, or by means of a spatula</p> <p><b>2. How to use</b></p> <p>Then the imprint is taken by pressing the product on the model. Ideally the imprint should be taken in one single application in order to avoid forming joints of the product on itself. To increase the working time, it is possible to condition the two components in a refrigerator for a few hours prior to their use, but the setting time will also be increased by the same factor.</p> <p><b>3. Cross linking</b></p> <p>When processing at 23 °C,, it is recommended to wait an hour after the product has set before using the imprint, in order to benefit from the cured compound's full properties.</p> <p><b>Warning:</b> Crosslinking of RTV vulcanising by polyaddition reaction may be inhibited by contact with products like:</p> <ul style="list-style-type: none"> <li>- latex gloves</li> <li>- heavy metal salts</li> <li>- amines</li> <li>- sulphur and derivatives</li> <li>- catalysts of epoxy resins</li> </ul>
<b>Regulation</b>	Please consult your local ELKEM SILICONES sales office.
<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.
<b>Packaging</b>	<ul style="list-style-type: none"> <li>● BLUESIL RTV 3535 P A is available in                             <ul style="list-style-type: none"> <li>○ Piece of 1 KG (2.21 LB)</li> <li>○ Drum of 25 KG (55.13 LB)</li> <li>○ Pail of 5 KG (11.03 LB)</li> </ul> </li> <li>● BLUESIL RTV 3535 P B is available in                             <ul style="list-style-type: none"> <li>○ Piece of 1 KG (2.21 LB)</li> <li>○ Drum of 25 KG (55.13 LB)</li> <li>○ Pail of 5 KG (11.03 LB)</li> </ul> </li> </ul>
<b>Storage and shelf life</b>	<p>When stored in its original packaging:</p> <p>BLUESIL RTV 3535 P A may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing.</p> <p>BLUESIL RTV 3535 P B may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing.</p> <p>Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.</p>
<b>Safety</b>	Please consult the Safety Data Sheet of: BLUESIL RTV 3535 P A and BLUESIL RTV 3535 P B

Visit our website [www.elkem.com/silicones/](http://www.elkem.com/silicones/)

#### Warning to the users

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