

BLUESIL RTV 3410 A+B QC BLUE TRANS

Description	The BLUESIL RTV 3410 QC A&B – are two component, silicone elastomers which cures at room temperature by a polyaddition reaction and leads to a resistant and elastic material.
Examples of applications	Whenever a soft material is needed, especially for the production of printing pads and of silicone sleeves in the preparation of printing rolls for the tiles industry.
Key benefits	<ul style="list-style-type: none"> • Easy processing and curing. • Low linear shrinkage. • Low hardness, ready to use without dilution.

Typical properties

1. Characteristics of the non cured product

Properties	RTV 3410 QC A	RTV 3410 QC B
Appearance	Viscous liquid	Viscous liquid
Color	Colorless	Translucent - Blue
Specific gravity (at 23 °C, g/cm ³ , approx.)	1,05	1,05
Viscosity (at 23 °C, mPa.s, approx.)	3 000	3 000

2. Polymerization

BLUESIL RTV 3410 QC A: 100 parts

BLUESIL RTV 3410 QC B: 10 parts

Properties	BLUESIL RTV 3410 QC A&B RTV
Pot life (at 23°C, minutes, approx.)	10
Demolding time (at 23 °C, minutes, approx.)	30-40

3. Characteristics of the cross linked product

Measured after curing 24 h at 23 °C

Properties	BLUESIL RTV 3410 QC A&B
Hardness Shore A (On a 6 mm thick specimen, approx.)	12
Tensile strength at break (MPa, approx.)	2.0
Elongation at break (% , approx.)	200
Tear strength (KN/m, approx.)	4.0
Linear shrinkage (% , after curing at 23 °C)	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.

Instruction of use	<p>Remix each of the two components (part A and B) every time before using.</p> <p>1. Mixing of the two components</p>
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Add 100 parts of **BLUESIL RTV 3410 QC A** to 10 parts of **BLUESIL RTV 3410 QC B**. Given the very rapid curing time of the mixture and the need to avoid any air bubbles which might adversely affect physical properties, mixing is recommended in a vacuum or by means of an automatic dosing machine.

2. Pouring

For moulding, **BLUESIL RTV 3410 QC A&B** should be slowly poured into the mould form. A mould release agent is not generally required. Slow pouring greatly reduces the risk of trapped air.

Note: Contacts with certain materials can inhibit crosslinking in this RTV:

- Natural rubbers vulcanized with sulphur,
- RTV elastomers catalyzed with metal salts,
- PVC stabilizing agents,
- Epoxy catalysts.

If doubts exist, it is advisable to do a test by pouring the mixture of the two components onto a limited area of the item.

In addition, it is advisable to only use the degassing equipment for this type of RTV since the chamber can be contaminated when other products are degassed in it and thus inhibit crosslinking in **BLUESIL RTV 3410 QC A&B**.

Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none"> • BLUESIL RTV 3410 A QC is available in <ul style="list-style-type: none"> ○ Pail ○ Drum of 25 KG (55.13 LB) • BLUESIL RTV 3410 B QC BLUE is available in <ul style="list-style-type: none"> ○ Pail of 2.5 KG (5.51 LB) • BLUESIL RTV 3410 B QC TRANSLUCENT is available in <ul style="list-style-type: none"> ○ Piece of 2.5 KG (5.51 LB)
Storage and shelf life	When stored in its original packaging: BLUESIL RTV 3410 A QC may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing. BLUESIL RTV 3410 B QC BLUE may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing. BLUESIL RTV 3410 B QC TRANSLUCENT may be stored at a temperature below 40°C / 104°F for up to 12 months from its date of manufacturing. 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.
Safety	Please consult the Safety Data Sheet of: BLUESIL RTV 3410 A QC, BLUESIL RTV 3410 B QC BLUE and BLUESIL RTV 3410 B QC TRANSLUCENT

Visit our website www.elkem.com/silicones/

Warning to the users

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