

BLUESILTM RTV 3410 QC A & B

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.

- Advantages**
- Easy processing and curing.
 - Low linear shrinkage.
 - Low hardness, ready to use without dilution.

Characteristics **1. Characteristics of the non cured product**

<i>Properties</i>	RTV 3410 QC A	RTV 3410 QC B
Appearance	Viscous liquid	Viscous liquid
Color	Colorless	Translucent - Purple
Specific gravity (at 23 °C, g/cm ³ , approx.)	1,05	1,05
Viscosity (at 23 °C, mPa.s, approx.)	10 000	3 000

2. Polymerization

BLUESIL RTV 3410 QC A..... 100 parts
BLUESIL RTV 3410 QC B..... 10 parts

<i>Properties</i>	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

<i>Properties</i>	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

BLUESILTM RTV 3410 QC A & B**Processing**

Remix each of the two components (part A and B) every time before using.

1. Mixing of the two components

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**.

Packaging

BLUESIL RTV 3410 QC A is delivered in 25 kg drums and the corresponding 2.5 kg packs of **BLUESIL RTV 3410 QC B**.

Storage and shelf life

When stored in their original unopened packaging at a temperature of between – 5°C and + 30°C, **BLUESIL RTV 3410 QC A&B** may be stored for up to 12 months from the date of manufacture clearly marked on the packaging.

Beyond this date, Bluestar Silicones no longer guarantees that the products meet sales specifications.

Safety

Please consult the Safety Data Sheets of **BLUESIL RTV 3410 QC A&B**.

BLUESIL™ RTV 3410 QC A & B

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