

# Silbione<sup>®</sup> RTV-4410

## Elastomer for Special Effects Applications

### Description

**Silbione<sup>®</sup> RTV 4410 A&B** is a two component, 10 durometer, room temperature curable silicone elastomer designed for use in special effects applications, especially where flexibility and repetitive motion is required. It's superior physical properties and softness also allows use in orthopedic applications.

### Applications

- Animatronics; special effect skins
- Orthopedic; sport shoes
- Cushioning applications

### Features

- Easy to use
- Excellent combination of softness and strength
- May be used for skin contact applications

### Typical Properties

Property	Test Method	Unit	Silbione <sup>®</sup> RTV 4410 A	Silbione <sup>®</sup> RTV 4410 B
	<b>CTM</b>			
Appearance	TP 038		Low Viscosity Liquid	Low Viscosity Liquid
Color	TP 038		Translucent	Transparent
Viscosity		Cps	2,500	2,500
Specific Gravity	TP 013		1.1	1.1
Mix Ratio				1:1
Pot Life, 23°C	NM 128	minutes		90
	<b>ASTM</b>			
Hardness <sup>1</sup>	D 2240	Shore A		10
Tensile Strength	D 412	psi (N/mm <sup>2</sup> )		430 (3.0)
Elongation	D 412	%		800
Tear Strength	D 624, Die B	ppi (N/mm)		80 (15)

<sup>1</sup> 6mm thick disk

**Please note:** The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Rhodorsil<sup>®</sup> silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

### Storage and shelf life

When stored in its original unopened packaging, at a temperature of 24°C (77°F), **Silbione<sup>®</sup> RTV-4410** may be stored for 6 months from the date of manufacture. Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.





### Safety

Please consult the Safety Data Sheet. The curing agent for this material can generate a flammable gas upon contact with acidic, basic, or oxidizing materials. Precautions to avoid contact of this curing agent with these materials should be exercised. Keep product away from children. To obtain a material safety data sheet for this product contact Bluestar at 800-356-7560.

# Silbione<sup>®</sup> RTV-4410

<b>Blending</b>	Parts A and B components of <b>Silbione<sup>®</sup> RTV 4410</b> are designed to be mixed in equal parts using standard processing equipment and techniques. Airless mixing, metering and dispensing equipment are recommended for production operations. Accurate measuring and complete mixing are essential factors in obtaining consistent results.
<b>Curing</b>	Curing is typically achieved at room temperature. Curing time can be decreased by increasing temperature.
<b>Packaging</b>	<b>Silbione<sup>®</sup> RTV 4410 A</b> and <b>Silbione<sup>®</sup> RTV 4410 B</b> are available in 55 lb (25 kg) or 440 lb (200 kg) containers.
<b>Cleaning</b>	Special care must be taken to assure clean molds and a clean work area with no organic rubbers used on the same processing equipment. Traces of foreign materials can poison the catalyst and inhibit the cure. All metering and mixing equipment should be thoroughly cleaned. Traces of amines, metal salts, sulfur and epoxy resin catalysts can interfere with the cure of this product and should be avoided. Do not use latex gloves when handling these products.

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#### **Warning to the users**

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