

Silbione® RTV 4410 QC A&B

October 2017

Elastomer for Special Effects Applications

Description Silbione® RTV 4410 QC 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

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

Typical Properties

As Supplied	Test Method	Unit	SILBIONE® RTV 4410 QC A	SILBIONE® RTV 4410 QC B
	CTM			
• <i>Appearance</i>	TP 038		Low Viscosity Liquid	Low Viscosity Liquid
• <i>Color</i>	TP 038		Translucent	Transparent
• <i>Viscosity</i>		Cps	1,600	1,600
• <i>Specific Gravity</i>	TP 013		1.08	1.08
• <i>Mix Ratio</i>			1:1	
• <i>Pot Life, 23°C</i>	NM 128	minutes	10	
Cured	Test Method	Unit	Value	
	ASTM			
• <i>Hardness¹</i>	D 2240	Shore A	11	
• <i>Tensile Strength</i>	D 412	psi (N/mm ²)	>355 (3.0)	
• <i>Elongation</i>	D 412	%	>650	
• <i>Tear Strength</i>	D 624, Die B	ppi (N/mm)	60 (10)	

¹ 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 Bluestar Silicones silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

Instructions for use Parts A and B components of Silbione® RTV 4410 QC 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.

Cleaning 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.

Curing Curing is typically achieved at room temperature. Curing time can be decreased by increasing temperature.

Storage and shelf life Silbione® RTV 4410 QC when stored in its original unopened packaging, at a temperature of 24°C (77°F), may be stored for 6 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.







Silbione® RTV 4410 QC A&B

Safety Please read the container labels for **Silbione® RTV 4410 QCA&B** or consult the Safety Data Sheet (SDS) before handling for safe use, physical and health hazard information. 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.

Packaging **Silbione® RTV 4410 QC A&B** is available in kits of 36 kg or 400 kg.

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Warning to the users

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