



PRODUCT INFORMATION

A-RTV-4410

Elastomer for Special Effects Applications

Description

A-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

Advantages

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

Typical Properties

As Supplied	Test Method CTM	Unit	RTV 4410 A	RTV 4410 B
Appearance	TP 038		Low Viscosity Liquid	
Color	TP 038		Translucent	
Viscosity		Cps	2,500	
Specific Gravity	TP 013		1.1	
Mix Ratio				1:1
Pot Life, 23°C	NM 128	minutes		90
Cured	Test Method	Unit	Value	
	ASTM			
Hardness	D 2240	Shore A	10	
Tensile Strength	D 412	Psi (N/mm)	430 (3.0)	
Elongation	D 412	%	800	
Tear Strength	D 624, Die B	Ppi (N/mm)	80 (15)	

*6mm thick disk

Please note: The typical properties listed in this bulletin are not intended for use in preparing specification for any particular application of silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

Instructions for use

Parts A and B components of A RTV 4410 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

When stored in its original unopened packaging, at a temperature of 24°C (77°F), Factor II warrants products for six months from the ship date.

Safety

Please read the container labels for A RTV 4410 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.

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The Art, Science and Technology of
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Technical Data Sheet

A-4410 A& B

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