

## SILBIONE<sup>®</sup> RTV 4528 A/B

February 2007

### TECHNICAL DATA SHEET

**SILBIONE<sup>®</sup> RTV 4528 A/B** is a two component silicone elastomer that cures at room temperature by polyaddition reaction, at a 1:1 ratio. It is designed to be used for molding in a variety of applications.

#### FEATURES

- Easy to use viscosity
- Excellent reproduction of details
- Excellent mechanical properties
- Low linear shrinkage
- No release of toxic substances during and after curing
- High resistance to inorganic chemicals and ultraviolet rays

#### TYPICAL PROPERTIES

<i>Property</i>	<i>Test Method</i>	<i>Unit</i>	<b>SILBIONE<sup>®</sup> RTV 4528 A</b>	<b>SILBIONE<sup>®</sup> RTV 4528 B</b>
<b>Appearance</b>	CTM TP 038		Low Viscosity Liquid	Low Viscosity Liquid
<b>Color</b>	TP 038		Translucent	Transparent
<b>Viscosity</b>		Cps	3,600	3,600
<b>Specific Gravity</b>	TP 013		1.1	1.1
<b>Mix Ratio</b>				1:1
<b>Pot Life, 23°C</b>	NM 128	minutes		55
<b>Hardness<sup>1</sup></b>	ASTM D 2240	Shore OO		28

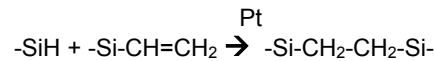
<sup>1</sup> 6mm thick disk

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



## CURING

**SILBIONE® RTV 4528 A/B** cures by polyaddition reaction of silicone reactive groups (-SiH) with silicone unsaturated polymers (such as -Si-CH=CH<sub>2</sub>), summarized as:



## APPLICATION

Add 100 parts of **SILBIONE® RTV 4528 A** to 100 parts of **SILBIONE® RTV 4528 B**. Mix thoroughly in a clean vessel for one minute with gentle agitation to avoid air bubbles. Pour on pattern and demold after 15 minutes.

**WARNING:** For mixing use only clean stainless steel or plastic vessels. Crosslinking of RTV vulcanising by polyaddition reaction may be inhibited by contact with:

- heavy metal salts
- amines
- sulfur and derivatives
- catalysts of epoxy resins

## PACKAGING

**SILBIONE® RTV 4528 A & SILBIONE® RTV 4528 B** are supplied in 25 kg and 200 kg containers.

## STORAGE & SHELF LIFE

**SILBIONE® RTV 4528 A/B** may be stored in unopened containers for 6 months from date of manufacture at temperatures less than 30°C.

## SAFETY

Before handling, consult the Material Safety Data Sheet and container labels for safe use, physical and health hazard information.

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