

# SUCTION CUPS / Universal

## VU4X



### Features and Strengths

Excellent performance for flat stable and slightly curved surfaces with direct fitting  
Suitable for concave surface

### Examples of use

Small components, Semiconductor chips, Packaging materials,  
Metal sheet, Printing industry, Paper box



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VU4X	0.03	0.02	0.09	0.13	0.02	0.08	0.10

※ The lifting force above does not include safety factor

### Material Specifications

Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100
Mark Free	75	Black	-10~100

※ For additional material, see page 32~33

### Material Resistance

Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohol	Good	Good	Good	Good	Good	Fair	Good
Acid	Fair	Poor	Poor	Poor	Poor	Poor	Excellent

## I Build an Ordering No.

### VU4X -

1. Suction Cup

1. Suction cup	Description	Weight (g)	Symbol
	Universal suction cup, For level compensator mount, 4mm diameter, Nitrile (NBR)	0.32	VU4X-N
	Universal suction cup, For level compensator mount, 4mm diameter, Silicone	0.30	VU4X-S
	Universal suction cup, For level compensator mount, 4mm diameter, White silicone	0.29	VU4X-WS
	Universal suction cup, For level compensator mount, 4mm diameter, White silicone(FDA)	0.29	VU4X-WS(FDA)
	Universal suction cup, For level compensator mount, 4mm diameter, High temperature silicone	0.31	VU4X-HS
	Universal suction cup, For level compensator mount, 4mm diameter, Conductive silicone	0.31	VU4X-CS
	Universal suction cup, For level compensator mount, 4mm diameter, Urethane	0.33	VU4X-U
	Universal suction cup, For level compensator mount, 4mm diameter, Mark free	0.38	VU4X-A

[ Unit : mm ]

