

SUCTION CUPS / Universal

VU80



Features and Strengths

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

Examples of use

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

Recommended Lifting Force (Max.)

Model	Volume (cm ³)	Lifting Force (Kg) - Perpendicular			Lifting Force (Kg) - Parallel		
		- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
VU80	32.00	7.77	19.80	25.21	4.53	12.70	16.94

※ 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

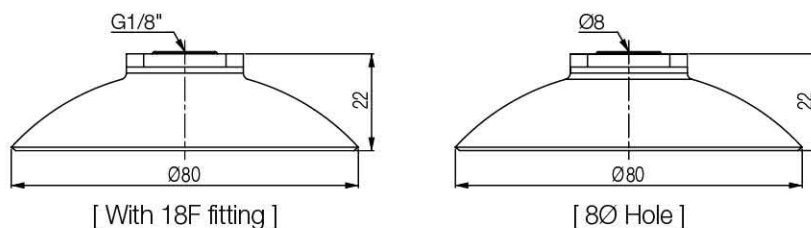
※ For additional material, see page 32~33

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

Dimension

[Unit : mm]



I Build an Ordering No.



: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Universal suction cup, 80mm diameter, Nitrile (NBR), G1/8 female fitting	35.65	VU80-N-18F
	Universal suction cup, 80mm diameter, Silicone, G1/8 female fitting	30.84	VU80-S-18F
	Universal suction cup, 80mm diameter, White silicone, G1/8 female fitting	30.83	VU80-WS-18F
	Universal suction cup, 80mm diameter, White silicone (FDA), G1/8 female fitting	30.83	VU80-WS-18F (FDA)
	Universal suction cup, 80mm diameter, High temperature silicone, G1/8 female fitting	31.39	VU80-HS-18F
	Universal suction cup, 80mm diameter, Conductive silicone, G1/8 female fitting	34.1	VU80-CS-18F
	Universal suction cup, 80mm diameter, Urethane, G1/8 female fitting	32.98	VU80-U-18F
	Universal suction cup, 80mm diameter, Mark free, G1/8 female fitting	29.3	VU80-A-18F
	Universal suction cup, 80mm diameter, Nitrile (NBR), 8Ø hole	33.77	VU80-N
	Universal suction cup, 80mm diameter, Silicone, 8Ø hole	29.99	VU80-S
	Universal suction cup, 80mm diameter, White silicone, 8Ø hole	28.26	VU80-WS
	Universal suction cup, 80mm diameter, White silicone (FDA), 8Ø hole	28.26	VU80-WS (FDA)
	Universal suction cup, 80mm diameter, High temperature silicone, 8Ø hole	29.73	VU80-HS
	Universal suction cup, 80mm diameter, Conductive silicone, 8Ø hole	32.3	VU80-CS
	Universal suction cup, 80mm diameter, Urethane, 8Ø hole	30.46	VU80-U
	Universal suction cup, 80mm diameter, Mark free, 8Ø hole	29.3	VU80-A