

# SUCTION CUPS / VMECA Customized

## KPS-9



### Features and Strengths

Developed to be used specially for bag opening application  
Suitable to be used in thin plastic and film type material

### Examples of use

Plastic bag opening, Thin Film Material, Paper Bag Handling



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
KPS-9	8.00	1.55	2.80	5.10

※ The lifting force above does not include safety factor

### Material Specifications

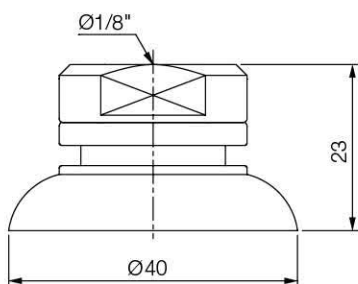
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100

### Material Resistance

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

### Dimension

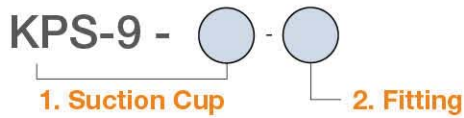
[ Unit : mm ]



[With 18F fitting]



## Build an Ordering No.



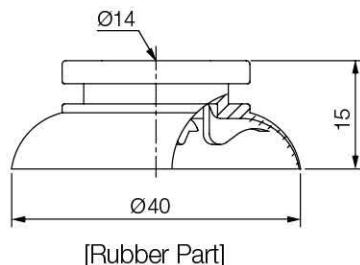
1. Suction cup	Description	Symbol
	Customized suction cup, 40mm diameter, Nitrile (NBR)	KPS9-N
	Customized suction cup, 40mm diameter, Silicone	KPS9-S
	Customized suction cup, 40mm diameter, White silicone	KPS9-WS
	Customized suction cup, 40mm diameter, White silicone (FDA)	KPS9-WS(FDA)
	Customized suction cup, 40mm diameter, High temperature silicone	KPS9-HS
	Customized suction cup, 40mm diameter, Conductive silicone	KPS9-CS
	Customized suction cup, 40mm diameter, Urethane	KPS9-U
2. Fitting	Description	Symbol
	Fitting, G1/8 female	18F
	Fitting, G1/8 female, Mesh filter	M-18F

## Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
KPS9-N	Customized suction cup, 34mm diameter, Nitrile (NBR)	3.85	Black
KPS9-S	Customized suction cup, 34mm diameter, Silicone	3.85	Red
KPS9-WS	Customized suction cup, 34mm diameter, White silicone	3.68	Translucent White
KPS9-WS(FDA)	Customized suction cup, 34mm diameter, White silicone (FDA)	3.68	Translucent White
KPS9-HS	Customized suction cup, 34mm diameter, High temperature silicone	3.92	Blue
KPS9-CS	Customized suction cup, 34mm diameter, Conductive silicone	3.81	Smoky Black
KPS9-U	Customized suction cup, 34mm diameter, Urethane	3.72	Dark Green

## Dimension

[ Unit : mm ]



## Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3352	18F	G1/8 female	12.65
350 000 4352	18F-F	G1/8 female, Mesh filter	12.85