

SUCTION CUPS / VMECA Customized

KPS-1



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 ³)	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
KPS-1	14.50	1.22	2.24	2.75

※ The lifting force above does not include safety factor

Material Specifications

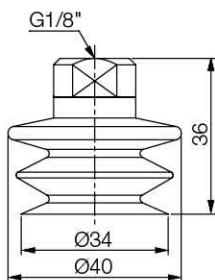
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100

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

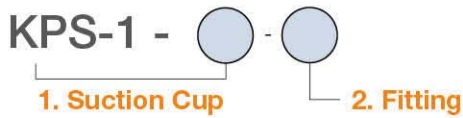
Dimension

[Unit : mm]



[With 18F fitting]

I Build an Ordering No.



1. Suction cup	Description	Symbol
	Customized suction cup, 34mm diameter, Nitrile (NBR)	KPS1-N
	Customized suction cup, 34mm diameter, Silicone	KPS1-S
	Customized suction cup, 34mm diameter, White silicone	KPS1-WS
	Customized suction cup, 34mm diameter, White silicone (FDA)	KPS1-WS(FDA)
	Customized suction cup, 34mm diameter, High temperature silicone	KPS1-HS
	Customized suction cup, 34mm diameter, Conductive silicone	KPS1-CS
	Customized suction cup, 34mm diameter, Urethane	KPS1-U

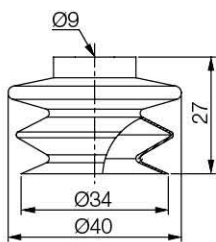
2. Fitting	Description	Symbol
	Fitting, G1/8 female	18F
	Fitting, G1/8 female, Mesh filter	M-18F

I Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
KPS1-N	Customized suction cup, 34mm diameter, Nitrile (NBR)	8.99	Black
KPS1-S	Customized suction cup, 34mm diameter, Silicone	8.35	Red
KPS1-WS	Customized suction cup, 34mm diameter, White silicone	7.62	Translucent White
KPS1-WS (FDA)	Customized suction cup, 34mm diameter, White silicone (FDA)	7.62	Translucent White
KPS1-HS	Customized suction cup, 34mm diameter, High temperature silicone	7.53	Blue
KPS1-CS	Customized suction cup, 34mm diameter, Conductive silicone	7.44	Smoky Black
KPS1-U	Customized suction cup, 34mm diameter, Urethane	8.17	Dark Green

I Dimension

[Unit : mm]



[Rubber Part]

I Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3350	18F	G1/8 female	6.76
350 000 4350	18F-F	G1/8 female, Mesh filter	6.78