Datasheet

Suction cup U50-2 Silicone, G1/4" male, with mesh filter

Article number: 0101805

- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.

Technical data

Description	Unit	Value
Suction cup shape	-	Universal
Application	-	Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Plastic injection molded parts
Material	-	Silicone (SIL)
Weight, min.	g	10
Suction cup model	-	U
Volume	cm^3	12
Height	mm	32.5
Outer diameter, min.	mm	51.4
Fitting size	-	1/4"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	U50-2
Movement, vertical max.	mm	6
Curve radius, min.	mm	35

Performance - Lifting forces

U50-2	Vertical (N)	Parallel (N)
20 -kPa	35	20
60 -kPa	73	37
90 -kPa	92	44

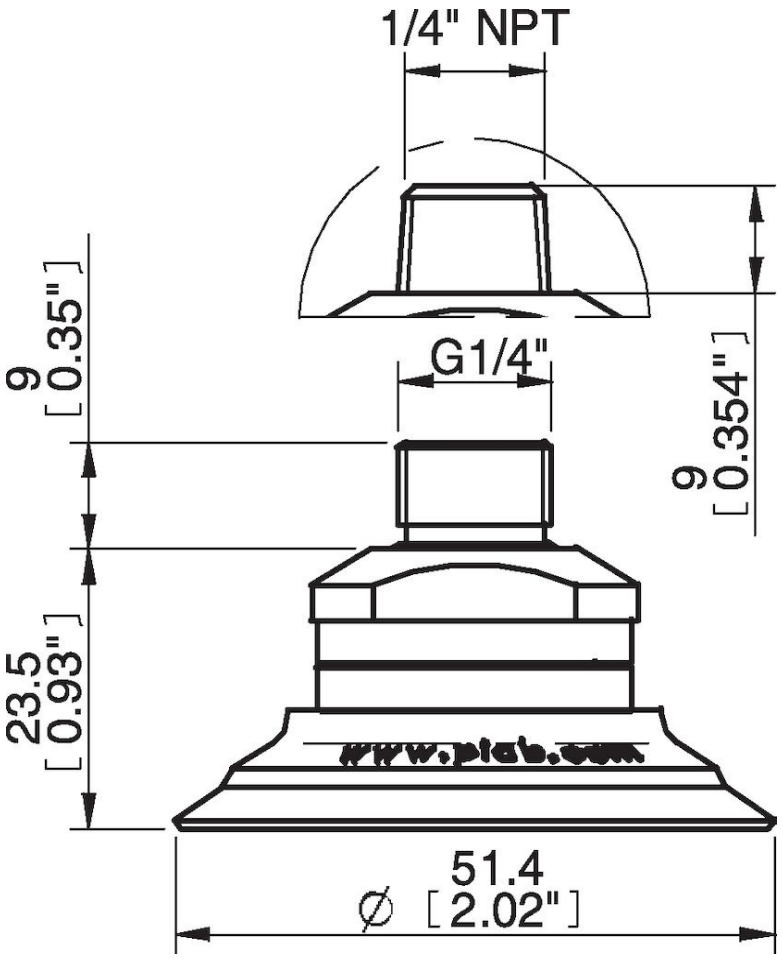
Material

Name	Silicone, SIL 50° Shore A
Colour	Red
Temperature, min. | °C	-40
Temperature max. | °C	200
Hardness | °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Petrol	Poor
Wear resistance	Good
Weather and ozone	Excellent

Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Accessories
0100262 | Fitting 5x1/8" NPSF female, 50
0101150 | Suction cup U50-2 Nitrile-PVC
0101154 | Fitting 1/8" NPSF female, 50, with mesh filter
0200715 | Fitting G1/8" male, 50, with mesh filter
3150198 | Fitting 1/8" NPSF female, 50, PA
3250017 | Fitting 1/8" NPSF female, 50
3250087 | Fitting G3/8" male, 50, with mesh filter
3250090 | Fitting 3/8" NPT male, with mesh filter
3250094 | Fitting 1/4" NPT male, with mesh filter
3251012 | Fitting 1/8" NPSF female, 50, with dual flow control valve
3251013 | Fitting G1/4" male, with mesh filter and dual flow control valve
3251014 | Fitting 1/4" NPT male, with dual flow control valve
3251015 | Fitting G3/8" male, 50, with mesh filter and dual flow control valve
3251016 | Fitting 3/8" NPT male, with dual flow control valve
3251017 | Fitting 5x1/8" NPSF female, 50, with dual flow control valve

Spare parts
0101151 | Suction cup U50-2 Silicone
3250092 | Fitting G1/4" male, 50, with mesh filter