Datasheet

Suction cup F25 Silicone FCM, G1/8" male, with mesh filter

Article number: 9909625

- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Food contact materials (FDA & EU), non-detectable
Suction cup design	-	Round
Characteristics	-	Food contact materials (FDA & EU), non-detectable
Material	-	Silicone (SIL)
Weight, min.	g	1.8
Suction cup model	-	F
Volume	cm³	1.1
Height	mm	21
Outer diameter, min.	mm	27
Outer diameter, actuated	mm	23.2
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	F25
Movement, vertical max.	mm	1.2
Curve radius, min.	mm	22

Performance - Lifting forces

F25	Vertical (N)	Parallel (N)
20 -kPa	9	8
60 -kPa	19.5	9
90 -kPa	25	10

Material

Name	Silicone (SIL FDA) 50º Shore
Colour	Transparent
Temperature, min. | ºC	-40
Temperature max. | ºC	200
Hardness | ºShore 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
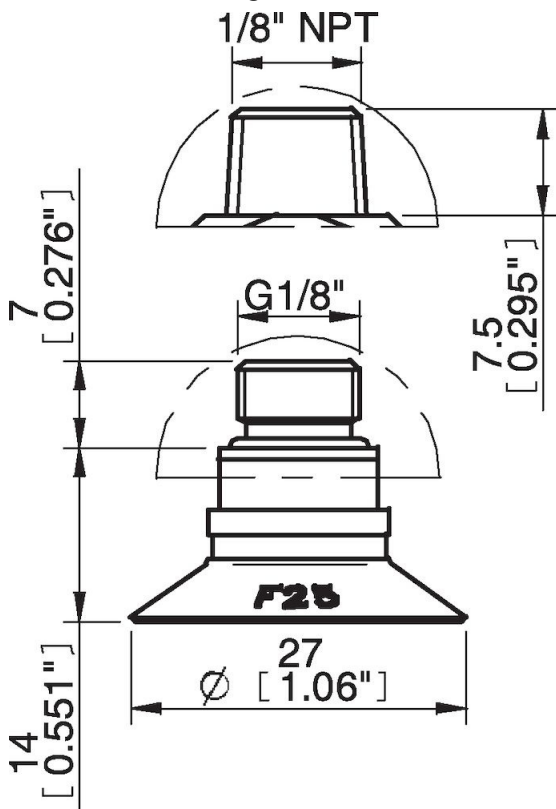
Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20ºC [68ºF] ± 3ºC [5.5ºF]).
- 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
0101152 | Fitting G1/8" male/M5 female, with mesh filter
3250088 | Fitting 1/8" NPT male, with mesh filter

Spare parts
0200439 | Suction cup F25 Silicone FCM
3250085 | Fitting G1/8" male, with mesh filter