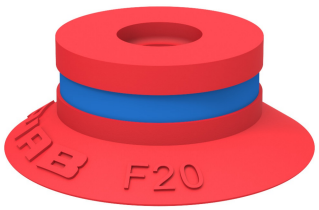
Datasheet

Suction cup F20 Silicone

Item number: F20.20



- FDA/EU compliant silicone for regulated industries
- Flat design for secure, stable handling
- Resistant to chemicals and high temperatures
- Hygienic and easy to clean
- Ideal for food, pharma, and sensitive applications
- Recommended when the lifting force is parallel to the surface of the object.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Suction cup design	-	Round
Characteristics	-	High/low temp cup (plastic)
Material	-	Silicone (SIL)
Weight, min.	oz	0.042
Suction cup model	-	F
Volume	in^3	0.061
Height	in	0.32
Outer diameter, min.	in	0.87
Outer diameter, actuated	in	0.91
Fitting size	-	None
Fitting option	-	None
Fitting style	-	None
Fitting type	-	None
Fitting material	-	None
Suction cup model	-	F20
Movement, vertical max.	in	0.047
Curve radius, min.	in	0.71

Performance - Lifting forces

F20	Vertical (lb)	Parallel (lb)
5.91 -inHg	1.35	1.12
17.72 -inHg	3.26	1.8
26.58 -inHg	4.27	1.91

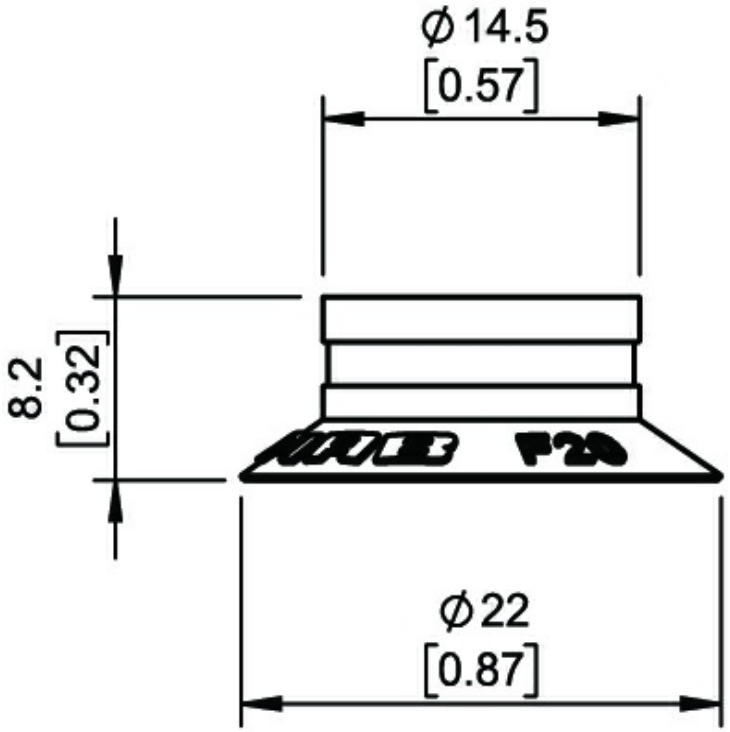
Material

Name	Silicone. SIL 50° Shore A
Color	Red
Temperature, min. | °F	-40
Temperature max. | °F	392
Hardness | °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	Good
Hydrolysis	Fair
Methanol	Good
Oil	Poor
Oxidation	Excellent
Gasoline	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

02AE | Fitting 5xM5 female
02AF | Fitting G1/8" male/M5 female, with mesh filter
02CD | Fitting G1/8" male/M5 female, PA
02AA | Fitting M5 female
02AD | Fitting G1/8" male/M5 female
02AB | Fitting G1/8" male, with mesh filter
02AC | Fitting 1/8" NPT male, with mesh filter
02DA | Fitting M5 female, with dual flow control valve
02DC | Fitting 1/8" NPT male, with dual flow control valve
02DD | Fitting G1/8" male/M5 female, with dual flow control valve
02DE | Fitting 5xM5 female, with dual flow control valve