Datasheet

Suction cup D20-2 Silicone, NPT1/8 male, with mesh filter

Item number: D20-2.20.02AC

- Suitable for objects with curved or irregular surfaces
- Grips around corners and edges.

Technical data

Description	Unit	Value
Suction cup shape	-	Deep
Application	-	Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Plastic injection molded parts
Material	-	Silicone (SIL)
Weight, min.	oz	0.078
Suction cup model	-	D
Volume	in³	0.15
Height	in	0.99
Outer diameter, min.	in	0.87
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Suction cup model	-	D20-2
Movement, vertical max.	in	0.11
Curve radius, min.	in	0.31

Performance - Lifting forces

D20-2	Vertical (lb)	Parallel (lb)
5.91 -inHg	1.33	1.12
17.72 -inHg	3.37	1.80
26.58 -inHg	4.047	1.91

Material

Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min. | °F	-40.0
Temperature max. | °F	392.0
Hardness | °Shore A	50

Material resistance

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

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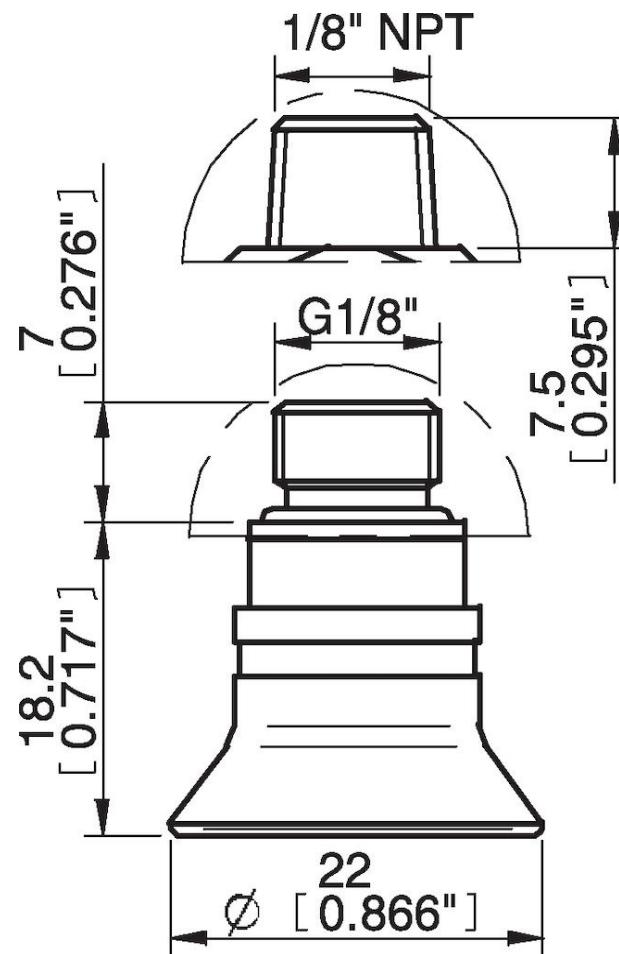
Values specified in this data sheet are tested at (unless otherwise stated):

- 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
D20-2.10 | Suction cup D20-2 Chloroprene
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
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

Spare parts

D20-2.20 | Suction cup D20-2 Silicone
02AC | Fitting 1/8" NPT male, with mesh filter