

Datasheet

Suction cup U6 Silicone, M5 male

Item number: U6.20.01AB



- 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.	oz	0.0049
Suction cup model	-	U
Volume	in ³	0.0031
Height	in	0.57
Outer diameter, min.	in	0.28
Fitting size	-	M5
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	M-thread
Suction cup model	-	U6
Movement, vertical max.	in	0.012
Curve radius, min.	in	0.20

Performance - Lifting forces

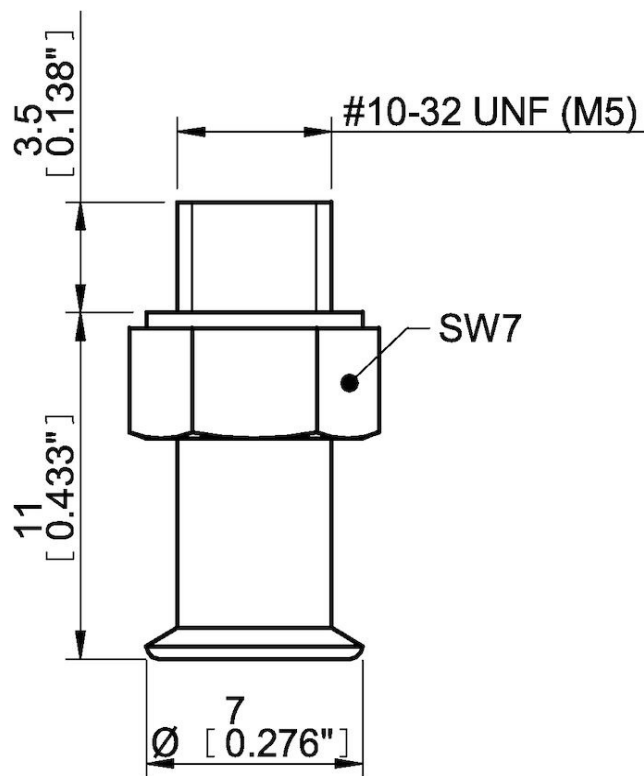
U6	Vertical (lb)	Parallel (lb)
5.91 -inHg	0.11	0.11
17.72 -inHg	0.38	0.34
26.58 -inHg	0.56	0.45

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

U6.47 | Suction cup U6 HNBR
 U6.10 | Suction cup U6 Chloroprene

Spare parts

01AB | Fitting M5 male, 5-8

U6.20 | Suction cup U6 Silicone