Datasheet

Suction cup U6 Silicone, M5 male

Article number: 3150003S

- 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	0.14
Suction cup model	-	U
Volume	cm^3	0.05
Height	mm	14.5
Outer diameter, min.	mm	7
Fitting size	-	M5
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	M-thread
Suction cup model	-	U6
Movement, vertical max.	mm	0.3
Curve radius, min.	mm	5

Performance - Lifting forces

U6	Vertical (N)	Parallel (N)
20 -kPa	0.5	0.5
60 -kPa	1.7	1.5
90 -kPa	2.5	2

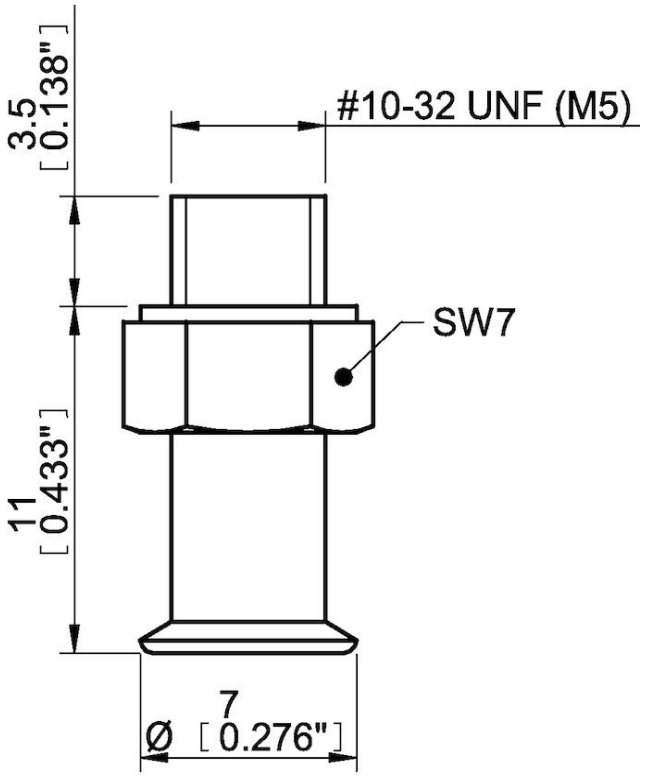
Material

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

0200888 | Suction cup U6 HNBR
3150115 | Suction cup U6 Chloroprene

Spare parts
3107031 | Fitting M5 male, 5–8
3150115S | Suction cup U6 Silicone