

Datasheet

Suction cup BL40-5 Silicone FCM, 3/8" NPT male

Item number: BL40-5.21.04AL



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004
- High initial flow, with re-enforced bellows and long, thin lip
- Suitable for handling difficult-to-handle bags, e.g., bags filled with liquid, frozen food, and for heavy bags
- Suitable working temperature is -40–392 °F
- Suitable for level compensation

Technical data

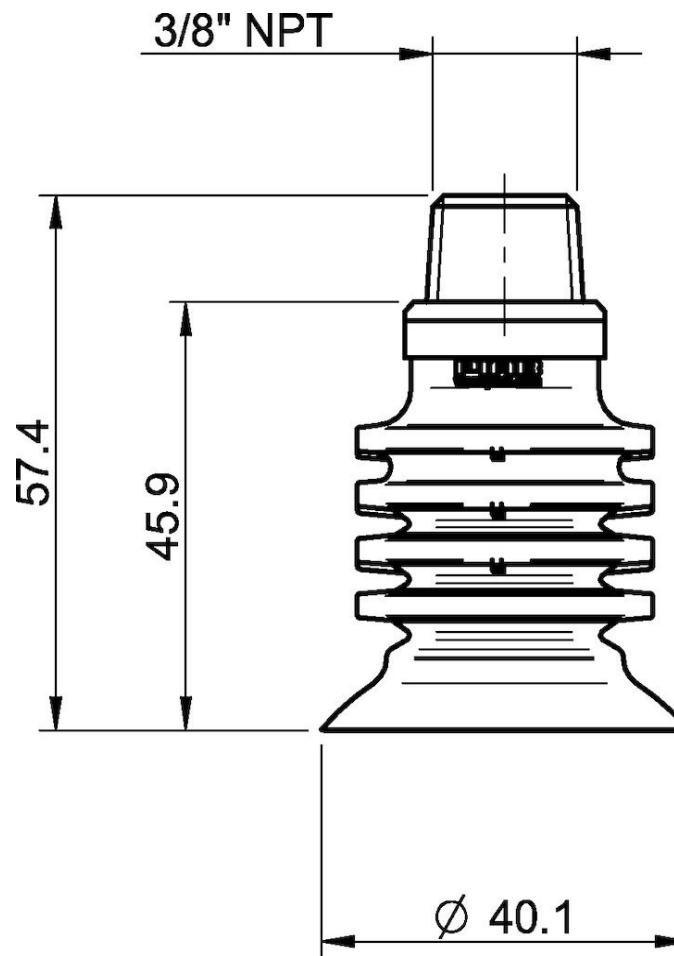
Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Bag handling, Food contact materials (FDA & EU), non-detectable
Suction cup design	-	Round
Characteristics	-	Bag handling, Food contact materials (FDA & EU), non-detectable
Material	-	Silicone (SIL)
Weight, min.	oz	0.35
Suction cup model	-	BL-5
Volume	in ³	0.85
Height	in	2.26
Outer diameter, min.	in	1.58
Fitting size	-	3/8"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	NPT-thread
Suction cup model	-	BL40-5
Movement, vertical max.	in	0.79
Curve radius, min.	in	0.87

Performance - Lifting forces

	Vertical (lb)	Parallel (lb)
BL40-5		
5.91 -inHg	2.92	1.24
17.72 -inHg	3.37	2.25

Material	
Name	Silikon FDA 40° Shore A
Color	Transparent
Temperature, min. °F	-40.0
Temperature max. °F	392.0
Hardness °Shore A	40
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

04AJ | Fitting G3/8" male, bag

Spare parts

04AL | Fitting 3/8" NPT male, bag

BL40-5.21 | Suction cup BL40-5 Silicone FCM