

# Suction cup BL50-5 Silicone FCM

Item number: BL50-5.21



- 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              | 1.023                                                           |
| Suction cup model       | -               | BL-5                                                            |
| Volume                  | in <sup>3</sup> | 1.59                                                            |
| Height                  | in              | 2.087                                                           |
| Outer diameter, min.    | in              | 1.98                                                            |
| Fitting size            | -               | None                                                            |
| Fitting option          | -               | None                                                            |
| Fitting style           | -               | None                                                            |
| Fitting type            | -               | None                                                            |
| Suction cup model       | -               | BL50-5                                                          |
| Movement, vertical max. | in              | 0.71                                                            |
| Curve radius, min.      | in              | 1.18                                                            |

Performance - Lifting forces

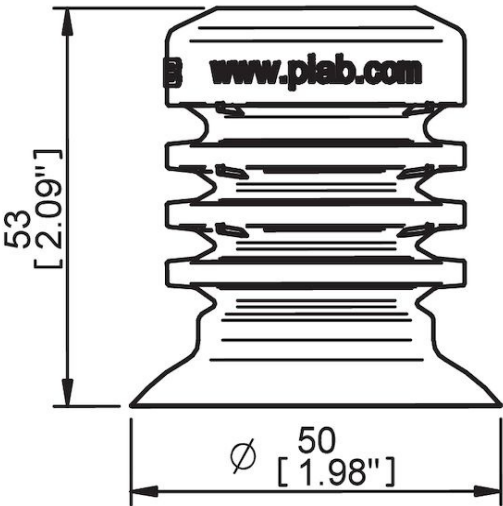
| BL50-5      | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 1.80          | 2.11          |
| 17.72 -inHg | 5.62          | 4.61          |

| 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

05AJ | Fitting G1/2" male, bag  
 05AI | Fitting 1/2" NPT male, bag