Datasheet

# Suction cup B5 Conductive silicone

**Article number: 3150286SC**


- Lifting movement to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface.
- Suitable for level adjustment.
- Suction cups of conductive silicone and semi-conductive EPDM are suitable for objects with sensitivity to static electricity.

## Technical data

| Description | Unit | Value |
|---|---|---|
| Suction cup shape | - | Bellows |
| Application | - | Dry sheet metal, Electronic / semiconductor, Plastic injection molded parts |
| Suction cup design | - | Round |
| Characteristics | - | Dry sheet metal, ESD/Conductive/Antistatic, Plastic injection molded parts |
| Material | - | Silicone (SIL) |
| Weight, min. | g | 0.11 |
| Suction cup model | - | B |
| Volume | $cm^3$ | 0.05 |
| Height | mm | 9.2 |
| Outer diameter, min. | mm | 5.7 |
| Outer diameter, actuated | mm | 6.4 |
| Fitting size | - | None |
| Fitting option | - | None |
| Fitting style | - | None |
| Fitting type | - | None |
| Suction cup model | - | B5 |
| Movement, vertical max. | mm | 1.5 |
| Curve radius, min. | mm | 1.5 |

## Performance - Lifting forces

| B5 | Vertical (N) | Parallel (N) |
|---|---|---|
| 20 -kPa | 0.3 | |
| 60 -kPa | 0.8 | |
| 90 -kPa | 1 | |

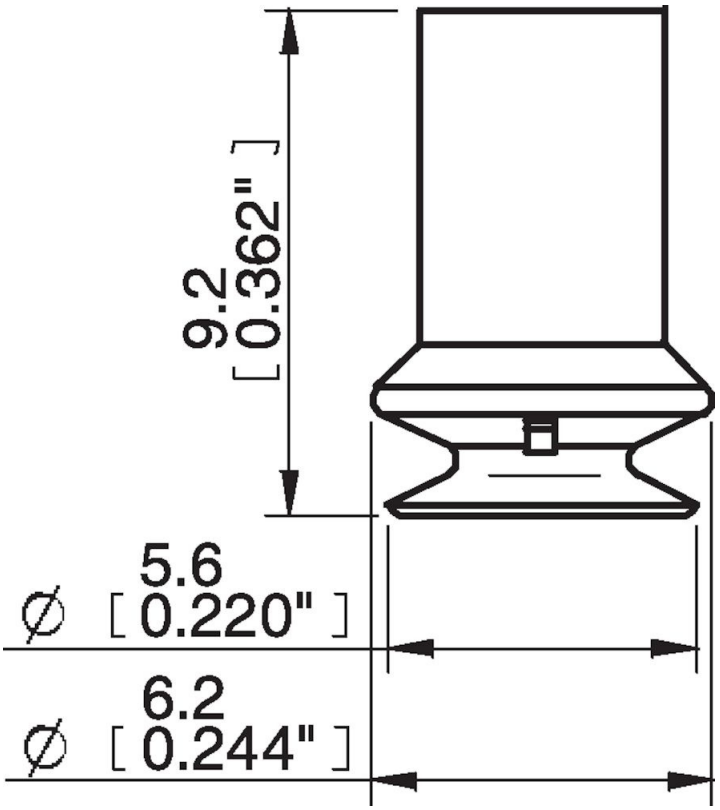
**Material**

| | |
|---|---|
| Name | Conductive Silicone (CSIL) |
| Colour | Black |
| Temperature, min. \| °C | -55 |
| Temperature max. \| °C | 230 |
| 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.