

Datasheet

Suction cup BL50-3P Polyurethane 30/70, 1/2" NPT male

Item number: BL50-3P.4L.05AL



- High-flow fitting allowing high initial vacuum flow needed for plastic bag handling.
- Suitable for level adjustment and uneven surfaces.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.

Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Bag handling
Suction cup design	-	Round
Characteristics	-	Bag handling
Material	-	Polyurethane (PU)
Weight, min.	oz	0.85
Suction cup model	-	BL-3-P
Volume	in ³	3.30
Height	in	3.58
Outer diameter, min.	in	1.97
Fitting size	-	1/2"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	NPT-thread
Suction cup model	-	BL50-3P
Movement, vertical max.	in	1.024
Curve radius, min.	in	0.63

Performance - Lifting forces

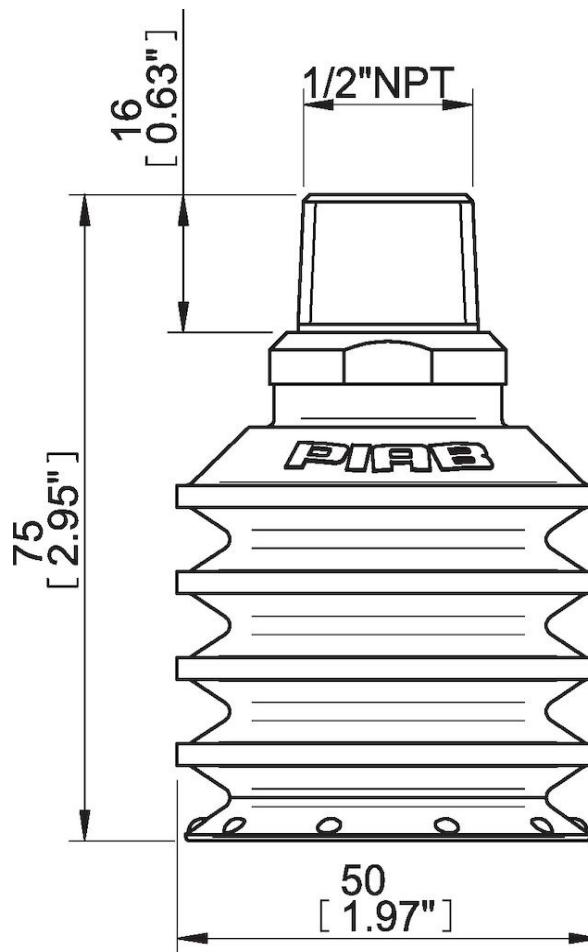
BL50-3P	Vertical (lb)	Parallel (lb)
5.91 -inHg	5.40	4.95
17.72 -inHg	13.49	11.016
26.58 -inHg	16.86	13.49

Material		
Name	Polyurethane (PU30)	Polyurethane (PU70)
Color	Yellow	Black
Temperature, min. °F	50.0	50.0
Temperature max. °F	122.0	122.0
Hardness °Shore A	30	70

Material resistance

Alcohol	n/a	n/a
Concentrated acids	Fair	Fair
Ethanol	Fair	Fair
Hydrolysis	Fair	Fair
Methanol	Poor	Poor
Oil	Excellent	Excellent
Oxidation	Poor	Poor
Gasoline	Fair	Fair
Wear resistance	Excellent	Excellent
Weather and ozone	Excellent	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

Spare parts

BL50-3P.4L | Suction cup BL50-3P Polyurethane 30/70

05AL | Fitting 1/2" NPT male, bag