

SUCTION CUPS / Flat Dual Lip Structure

LF250

Features and Strengths

Excellent lifting force in both horizontal and vertical application

Examples of use

Flat Metal Sheets & Glass, Veneer Sheets, Electronic Components
Marbles



Recommended Lifting Force (Max.)

| Model | Volume (cm ³) | Lifting Force (Kg) - Perpendicular | | | Lifting Force (Kg) - Parallel | | |
|-------|---------------------------|------------------------------------|-----------------|-----------------|-------------------------------|----------|----------|
| | | - 20 kPa | - 60 kPa | - 90 kPa | - 20 kPa | - 60 kPa | - 90 kPa |
| LF250 | 435.00 | 134.00 / 167.00 | 199.00 / 251.00 | 293.00 / 361.00 | 114.00 | 168.00 | 260.00 |

※ The lifting force above does not include safety factor

Material Specifications

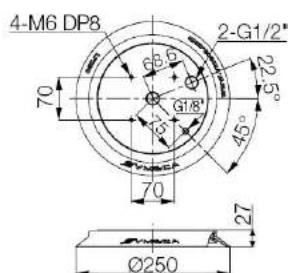
| Material | Hardness Shore (°) | Color | Temperature (°C) |
|----------------------|--------------------|-------------------|------------------|
| NBR | 60 | Black | -20~110 |
| Silicone | 55 | Red | -70~200 |
| White Silicone | 55 | Translucent White | -70~200 |
| White Silicone (FDA) | 55 | Translucent White | -70~200 |
| High temp. Silicone | 50 | Blue | -70~280 |
| Conductive Silicone | 70 | Smoky Black | -45~90 |
| Urethane | 60 | Dark Green | 0~100 |
| Mark Free | 75 | Black | -10~100 |

Material Resistance

| Description | NBR | Silicone | White Silicone | High temp. Silicone | Conductive Silicone | Urethane | Mark Free |
|-----------------|-----------|-----------|----------------|---------------------|---------------------|-----------|-----------|
| Wear Resistance | Excellent | Good | Good | Good | Good | Excellent | Good |
| Oil | Excellent | Poor | Poor | Poor | Poor | Excellent | Excellent |
| Weather / Ozone | Fair | Excellent | Excellent | Excellent | Excellent | Excellent | Excellent |
| Alcohol | Good | Good | Good | Good | Good | Fair | Good |
| Acid | Fair | Poor | Poor | Poor | Poor | Poor | Excellent |

Dimension

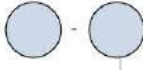
[Unit : mm]



[With 12F fitting]



I Build an Ordering No.

LF250 -  : Pre-mounted fitting
1. Suction Cup

| 1. Suction cup | Description | Weight (g) | Symbol |
|----------------|---|------------|--------------------|
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, Nitrile (NBR) | 1379 | LF250-N-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, Silicone | 1311.84 | LF250-S-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, White silicone | 1399.56 | LF250-WS-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, White silicone (FDA) | 1399.56 | LF250-WS-12F (FDA) |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, High temperature silicone | 1426.02 | LF250-HS-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, Conductive silicone | 1365.62 | LF250-CS-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, Urethane | 1428.64 | LF250-U-12F |
| | Flat and Dual lip structure suction cup, 250mm diameter, G1/2 female, Mark free | 1489.87 | LF250-A-12F |