

SUCTION CUPS / Oval Curve

VOC35x90

Features and Strengths

Good for long objects with flat and curved surfaces
Strong lifting force and long life-span

Examples of use

Long flat objects, Curved surface, Metal panels, Automobile bumpers
Wood panel, Furniture



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 |
| VOC35x90 | 20.00 | 5.00 | 13.40 | 17.40 | 4.00 | 10.72 | 13.92 |

※ The lifting force above does not include safety factor

Material Specifications

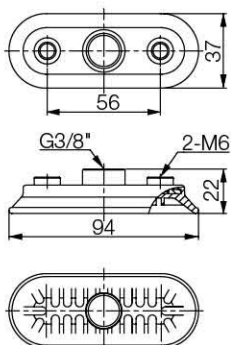
| Material | Hardness Shore (°) | Color | Temperature (°C) |
|----------------------|--------------------|-------------------|------------------|
| NBR | 60 | Black | -20~110 |
| Silicone | 55 | Red | -70~200 |
| White Silicone | 55 | Translucent White | -70~200 |
| White Silicone (FDA) | 55 | Translucent 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 38F fitting]

Build an Ordering No.

VOC35x90 -  : Pre-mounted fitting
1. Suction Cup

: Pre-mounted fitting

| 1. Suction cup | Description | Weight (g) | Symbol |
|----------------|---|------------|-----------------------|
| | Oval-Curved suction cup, 35x90mm diameter, Nitrile (NBR), G3/8 female | 47.18 | VOC35x90-N-38F |
| | Oval-Curved suction cup, 35x90mm diameter, Silicone, G3/8 female | 45.40 | VOC35x90-S-38F |
| | Oval-Curved suction cup, 35x90mm diameter, White silicone, G3/8 female | 44.93 | VOC35x90-WS-38F |
| | Oval-Curved suction cup, 35x90mm diameter, White silicone (FDA), G3/8 female | 44.93 | VOC35x90-WS-38F (FDA) |
| | Oval-Curved suction cup, 35x90mm diameter, High temperature silicone, G3/8 female | 45.75 | VOC35x90-HS-38F |
| | Oval-Curved suction cup, 35x90mm diameter, Conductive silicone, G3/8 female | 46.72 | VOC35x90-CS-38F |
| | Oval-Curved suction cup, 35x90mm diameter, Urethane, G3/8 female | 47.89 | VOC35x90-U-38F |
| | Oval-Curved suction cup, 35x90mm diameter, Mark free, G3/8 female | 48.97 | VOC35x90-A-38F |