

# Non-adhesive treatment pads

## RA Series

### ● Solves the problem of marks being left on workpieces!

By using a special treatment on the rubber (suction pad) to improve its surface, adhesion of foreign matters on the suction pad is greatly reduced as no particles of the suction pads will be transferred to the work pieces.

### ● Optimum for conveying glass sheets and otherwork pieces that need to be free from marks.

### ● Can be used for materials such as fluorine and conductive fluorine rubber.

If this suction-pad material is used for fluoro-rubber and conductive fluoro-rubber, suction pads of any series can be used (besides foam suction pads of the PD series).

### Model numbers (suction pad only)

① PFG - ② 30 - ③ F - RA

① Applicable series

PAG  
PBG  
PCG  
PCD  
PEG  
PFG  
PHG  
PJG  
PNG  
PQG  
PRG  
PUG  
PWG  
PBOG  
PFOG

② Pad diameter

\* Refer to the page of applicable suction-pad series.

③ Rubber material of the suction pads

|    |                            |
|----|----------------------------|
| F  | Fluorine rubber            |
| FE | Conductive fluorine rubber |

Note) Depending on pad series, some pads are made to order. Please check related pad series page for details.

### Suction pad standard specifications

| Symbol | Materials                  | Hardness(Hs) | Ambient temperature | Color                | Volume resistivity          |
|--------|----------------------------|--------------|---------------------|----------------------|-----------------------------|
| F      | Fluorine rubber            | A70/S        | -10 ~ 230℃          | Black with white dot | -                           |
| FE     | Conductive fluorine rubber | A70/S        | 0 ~ 200℃            | Black                | 300 ~ 400 Ω/cm <sup>3</sup> |

Note) The volume resistance ratio is the resistance value per cm<sup>3</sup>.



### WARNING

Please note that, depending on the work pieces, usage conditions and the environment, the effectiveness may vary and that, in certain cases, the use of these suction cups may have no effect.

### Fittings

Refer to the page of applicable suction-pad series.

### Comments

By using special treatment, the intermolecular bond of the rubber becomes stronger. By strengthening the intermolecular bond, we have succeeded in reducing adhesion of suction-pad particles on the work pieces.

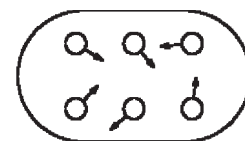
By having made the intermolecular bond stronger, the elasticity has been improved and the surface has been made harder. Through this, problems such as those mentioned below have been reduced.

- ① Marks from gripping
- ② Adhesion to work pieces
- ③ Adhesion

We offer both mark-free suction pads (LF and LJ series) and suction pads with cores (for PJG), so please consider these together.

Image showing the improvement

Imake of the existing intermolecular bond



RA treatment



Image after RA intermolecular-bond treatment

