



## Packing Merkel® Alchem 6375



### DESCRIPTION

- Braided and impregnated stuffing box packing
- Square cross-section

### FUNCTION

- Sealing of rotating shafts or translating rods
- Sealing effect through axial compression using a gland follower
- Very good sealing performance due to high cross-sectional density and tight braided structure
- Good dimensional stability and low settling behavior of the packing

### PRODUCT ADVANTAGES

- Very low leakage rate
- Very low settling behavior
- No risk of color contamination

### APPLICATIONS

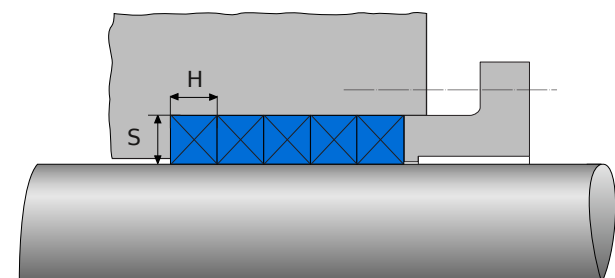
- The special version Merkel® Alchem ST is available for use against gaseous oxygen, drinking water and in the food sector
- Plunger pumps
- Valves

### CONFORMITY AND CERTIFICATES

- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

### DESIGN GUIDELINE

- Avoid grooves, blowholes or scratches on the surface to be sealed
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.





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### INSTALLATION GUIDELINE

- Cut packings to length with butt or diagonal cut depending on application
- Install and press the rings individually with the cut ends first
- Distribute the cut ends symmetrically around the circumference to prevent leakage
- Tighten the cap nuts evenly
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.



### STORAGE ADVISE

- Storage temperature <25°C
- No direct heat sources
- No direct sunlight
- No condensation in the storage room
- No exposure to ozone or ionizing radiation

#### Pressure [MPa]

| Anwendung     | Pressure [MPa] |
|---------------|----------------|
| Plunger pumps | 50             |
| Valves        | 25             |

#### Speed [m/s]

2

#### pH value [pH]

14



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| Temperature [°C] |
|------------------|
| -200...280       |

The values given are based on a limited number of tests on standard test specimens (2 mm sample plates) from laboratory production. The data determined from finished parts may deviate from the above values depending on the manufacturing process and the part geometry.

The information provided herein is based on laboratory tests and on data sources deemed reliable. It constitutes general, non-binding guideline values and does not represent any guarantee of specific properties or suitability for a particular purpose. The suitability of a product for a specific application depends on the actual operating conditions and a variety of factors. Full testing and performance evaluation of the final product are the responsibility of the user. Freudenberg FST GmbH | [www.fst.com](http://www.fst.com)