



## MERKEL® ALCHEM 6375



### DESCRIPTION

- Braided and impregnated stuffing box packing
- Square cross-section
- Manufacture from pure PTFE yarns with an additional PTFE impregnation

### FUNCTION

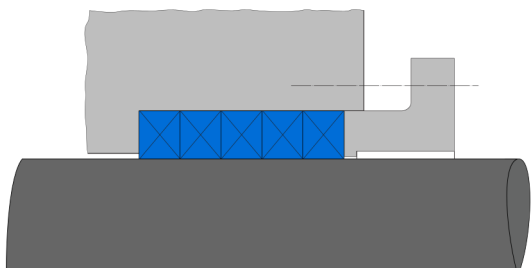
- Sealing of rotating shafts or translating rods
- Sealing effect due to axial compression by means of stuffing box gland
- Very good sealing behaviour due to high cross-sectional density and tight braiding structure
- Good dimensional stability and low settling behaviour of the packing

### PRODUCT ADVANTAGES

- Very low leakage rates
- Very low settling behaviour
- No risk of colour contamination

### APPLICATIONS

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



### APPLICATION LIMITS

- Speed: 2 m/s (Valve), 2 m/s (Plunger pump)
- Temperature: -200 ... +280°C
- pH Value: 0 ... 14
- Pressure: 25 MPa (Valve), 50 MPa (Plunger pump, installation with anti-extrusion rings)

### MEDIA RESISTANCE

- All chemicals including concentrated hot acids and alkalis
- Exceptions: molten alkali metals, fluorine and some fluorine compounds

### 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

- Installation space cleaned and free of deposits or old packing rings

### INSTALLATION GUIDELINE

- Cut packings to length with butt or diagonal cut depending on application
- Assemble and crimp rings individually with cut ends first
- Distribute cuts symmetrically around the circumference to avoid leakage paths
- Tighten gland nuts evenly



## MERKEL® ALCHEM 6375

### 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
- Recommendations based on the revision of ISO 2230 dated 16.09.1992



The name Merkel® is a registered trademark of the Freudenberg company. The information contained herein is believed to be reliable, but no representations, warranties or guarantees of any kind are made as to its accuracy or suitability for any purpose. The information reproduced herein is based on laboratory testing and is not necessarily indicative of end product performance. Complete testing and performance of the end product is the responsibility of the user.

© Freudenberg FST GmbH | [www.fst.com](http://www.fst.com)