



MERKEL® UNISTAT 6303



DESCRIPTION

- Braided and impregnated stuffing box packing
- Square cross-section
- Braiding made of graphite-filled PTFE yarn

FUNCTION

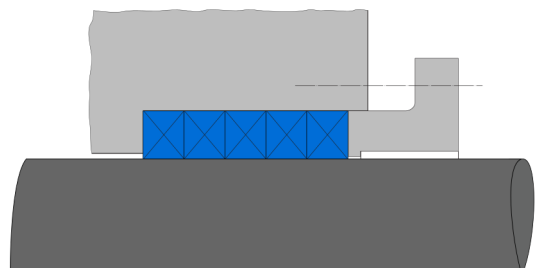
- Sealing of rotating shafts or translating rods
- Sealing effect due to axial compression by means of stuffing box gland
- High graphite content ensures good heat dissipation
- PTFE material ensures excellent friction behaviour
- Dense and pressure-resistant packing structure for plunger pump and valve applications

PRODUCT ADVANTAGES

- High chemical and pressure resistance
- Excellent heat dissipation
- Low leakage
- Low friction

APPLICATIONS

- Universal use in chemical industry
- Food industry
- Plunger pumps



- Fittings

APPLICATION LIMITS

- Speed: 2 m/s (Valve), 2 m/s (Plunger pump)
- Temperature: -200 ... +280°C
- pH Value: 0 ... 14
- Pressure: 25 MPa (Valve), 80 MPa (Plunger pump*)
- *Installation with anti-extrusion rings

MEDIA RESISTANCE

- Steam, condensate, alkalis, solvents, almost all acids
- Exceptions: highly concentrated nitric acid and oleum

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® UNISTAT 6303



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