



MERKEL® UNISTAT 6303



DESCRIPTION

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

FUNCTION

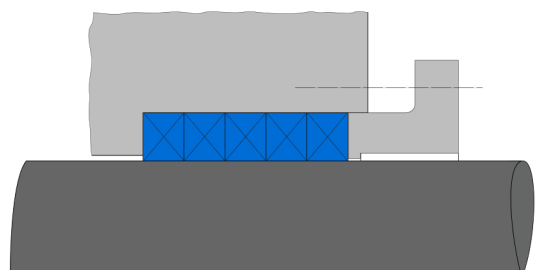
- High graphite content ensures good heat dissipation
- PTFE material ensures excellent friction behaviour
- Dense and pressure-resistant packing structure for plunger pump and valve applications

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



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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

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