



# MERKEL® AROCHEM II 6211



## DESCRIPTION

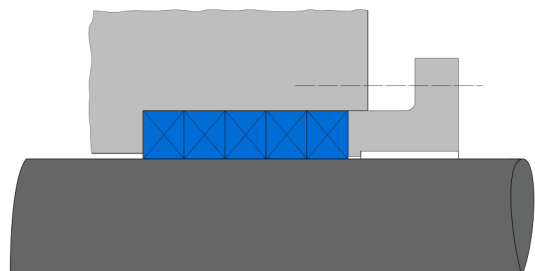
- Braided and impregnated stuffing box packing
- Square cross-section
- Made of aramid and PTFE-graphite compound yarns
- Stability of the packing due to DIAPLEX® braiding

## FUNCTION

- Sealing of rotating shafts or translating rods
- Sealing effect due to axial compression by means of stuffing box gland
- In high-pressure plunger pumps long operating cycles have been achieved with constant sealing effect through the use of end rings in a pre-compressed spring packing set

## PRODUCT ADVANTAGES

- Low frictional heat
- Gentle on shafts
- Resistant to abrasive media particles
- Graphite-filled PTFE yarn on the running surface has very good sliding properties and protects the plunger or shaft surface
- Braided aramid yarn at packing edges protects against gap extrusion and ensures long service life



## APPLICATIONS

- Use in difficult sealing cases such as large gap bridging and abrasive media
- Sealing of plungers
- Sealing of slowly rotating shafts
- Pumps

## APPLICATION LIMITS

- Speed: 2 m/s
- Temperature: -50 ... +280°C
- pH Value: 1 ... 13
- Pressure: 50 MPa (installation with end rings)

## MEDIA RESISTANCE

- Hot and cold water, organic solvents, raw chemical materials, oils, greases, diluted acids and alkalies

## 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 <math><25^{\circ}\text{C}</math>
- 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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