RELY ON EXCELLENCE

KN Rubber-PVC gasket 9117/KN

Packings & Gaskets | Metallic gasket

Features

The KN rubber-PVC gasket 9117/KN consists of a PVC support ring and a specially-molded, replaceable elastomer ring which is located in the force shunt after fitting.

Functional description

The EPDM sealing lip is fitted on the inner diameter of the PVC ring. The PVC ring acts as both a supporting and a centering ring. It also absorbs the bolt force which is needed particularly when there are high pressures to be sealed, and thus protects the elastomer ring against excessive compression. The PVC ring does not come into contact with the medium.

Notes

Production note:
Up to DN 800 or 32", the sealing lip is produced by injection molding. This is superior to frequently used displacement method with open molds as it offers greater dimensional accuracy. Above DN 800 or 32", the sealing lip is extruded and is sold by length with instant adhesive for on-site assembly.

Advantages

- The elastomer ring can be reused after replacement
- Reduced weight
- Easy handling, even with large diameters
- Segmented construction for optimized transport
- Segments may be assembled on site

Operating range

Pressure p = 25 bar
Temperature

- Continuous operation:
  t = -30°C ... +120°C

Recommended surface roughness:
RZ ≤ 100 µm

Materials

- Sealing lip: EPDM (Shore-A-hardness 70 ± 5)
- Outer ring: PVC

Recommended applications

Industries

- Power plant technology
- Water and waste water technology
- Building services engineering

Components

- Flange connections
- Pipe connections

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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.