RELY ON EXCELLENCE

Isartherm K-Flex 6051

Packings & Gaskets | Packing for valves

Features

Isartherm K-Flex 6051 is a braided packing made from expanded graphite, reinforced with textile fibers and with carbon fiber reinforcing corners. It is often used in high pressure and high temperature applications, particularly in power stations and chemical facilities.

Notes

Suitable as end rings in conjunction with braided packings made from expanded pure graphite foils, for example.

Advantages

- Treats shafts gently
- Extrusion resistant
- Temperature stable

Operating range

Pumps
Pressure: p = 25 bar
Sliding velocity: vg = 25 m/s
Valves
Pressure: p = 450 bar
Sliding velocity: vg = 2 m/s

Temperature

- Continuous operation:
  t = -200 °C ... +450 °C
- Steam: tmax = +550 °C

Chemical resistance:
pH = 0 ... 14
Resistant to hot water, steam, gases, oils, acids and alkalis. Not suitable for use in highly oxidizing media in high concentrations.

Recommended applications

Industries

- Process industry
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Building services industry
- Shipbuilding
- Sugar industry
- Metal production and processing

Mechanical units

- Centrifugal pumps

Components

- Valves

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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.