RELY ON EXCELLENCE

Isartherm-Flex KIN 6050/KIN

Packings & Gaskets | Packing for valves

Features

Isartherm-Flex 6050 is a diagonally braided packing made from permanently elastic, expanded pure graphite foils. It is used, in particular, in high pressure and high temperature applications. It is a standard packing that can be used in almost all areas of industry. It is also ideal as a header ring to prevent gap extrusion. Reinforced with Inconel fibers, impregnated with corrosion inhibitor.

Advantages

- Wear-resistant
- Gentle on spindle surfaces
- Treats shafts gently
- Highly extrusion resistant

Operating range

Valves
Pressure: p = 500 bar
Sliding velocity: vg = 2 m/s
Fans
Pressure: p = 8 bar
Sliding velocity: vg = 2 m/s
Mixers, agitators, kneaders
Pressure: p = 50 bar
Sliding velocity: vg = 2 m/s

Temperature

- Continuous operation:
  t = -200 °C ... +500 °C
- Steam: tmax = +550 °C

Chemical resistance:
pH = 0 ... 14
Resistant to water, waste water, sea water, hot water, boiler feed water, condensate, steam, neutral vapors, air, nitrogen, acidic gases, hydrogen, volatile hydrocarbons, oils, mineral oils, fats, heat transfer oils and volatile solvents. Not suitable for use in highly oxidizing, sticky or abrasive media.

Standards and approvals

- Yarmouth Research API 589 – Fire-safe

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

- Blowers
- Mixers

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.