

Isartherm-Flex KIN 6050/KIN



Features

Flexible packing, reinforced with inconel wire, particularly for high pressure and high temperature service. Fulfills the requirements of refineries and power plant engineering. Excellent cross-sectional density and volumetric stability. Wear resistant and gentle to the spindle. Low friction coefficient and good distribution of gland forces.

Advantages

Braided packing made from permanently elastic pure expanded graphite foils with inconel reinforcement and zinc corrosion inhibitor.

Dimensions

Stock dimensions: 4, 5, 6, 6.35, 7, 8, 10, 12, 12.7, 14, 15, 16 mm

Operating range

Pressure: $p = 500$ bar (valves),
8 bar (fans),
50 bar (mixers, agitators)
Sliding velocity: $v_g = 2$ m/s (valves),
2 m/s (fans),
2 m/s (mixers, agitators)
Temperature: $t = -200$ °C ... +500 °C steam:
+550 °C
Chemical resistance: pH = 0 ... 14

Standards and approvals

- Yarmouth Research: Fire safe-approval acc. to API 589 Rev. 2

Article numbers of variants

6050

Forms of supply

Content of boxes
up to 6 mm: 1 kg
up to 10 mm: 2 kg
up to 13 mm: 3 kg
from 14 mm: 5 kg
from 25 mm: 10 kg

Supplied by the metre, pre-cuts, die-pressed rings with straight or slanted cut

Recommended applications

- 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
- Water, waste-water, seawater, hot water, boiler feed water, condensate, steam, neutral steams, gases, air, nitrogen, acid gases, hydrogen, volatile hydrocarbons, oils, mineral oils, greases, heat transfer oils and volatile solvents.
Not suitable for strongly oxidising adhesive and abrasive media.
- Valves

Notes

The maximum stated operating temperature and pressure cannot be used simultaneously.