

RELY ON EXCELLENCE

Isartherm-Flex KIN 6050/KIN

Packings & Gaskets | Packings 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: $t_{max} = +550$ °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

Article numbers of variants

6050

Forms of supply

- Sold by length, blank cuts, precompressed rings with straight or slanted cut
- Box contents
up to 6,35 mm: 1 kg
7 - 10 mm: 2 kg
11 - 13 mm: 3 kg
14 - 24 mm: 5 kg
from 25 mm: 10 kg

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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Dimensions

- Standard dimensions:
 - 4 mm
 - 5 mm
 - 6 mm
 - 7 mm
 - 8 mm
 - 9 mm
 - 10 mm
 - 12 mm
 - 14 mm
 - 15 mm
 - 16 mm
- Additional dimensions available upon request