

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:  $p = 500 \text{ bar}$

Sliding velocity:  $vg = 2 \text{ m/s}$

#### Fans

Pressure:  $p = 8 \text{ bar}$

Sliding velocity:  $vg = 2 \text{ m/s}$

#### Mixers, agitators, kneaders

Pressure:  $p = 50 \text{ bar}$

Sliding velocity:  $vg = 2 \text{ m/s}$

### Temperature

- Continuous operation:  
 $t = -200 \text{ °C} \dots +500 \text{ °C}$
- Steam:  $t_{\text{max}} = +550 \text{ °C}$

### Chemical resistance:

$\text{pH} = 0 \dots 14$

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