

RELY ON EXCELLENCE

## Isartherm-Flex 6050

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.

### Notes

If there are large gaps in the compression packing geometry, we recommend using the Isartherm Flex 6050/KIN as the header ring to avoid gap extrusion.

### Advantages

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

### Operating range

#### Centrifugal pumps

Pressure:  $p = 15$  bar

Sliding velocity:  $vg = 15$  m/s

#### Valves

Pressure:  $p = 350$  bar

Sliding velocity:  $vg = 2$  m/s

#### Temperature

- Continuous operation:  
 $t = -200$  °C ...  $+500$  °C
- Steam:  $t_{max} = +700$  °C

#### Chemical resistance:

$pH = 0 \dots 14$

Resistant to 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.

### 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
- Power generation

#### Mechanical units

- Pumps

#### Components

- Valves