

RELY ON EXCELLENCE

## Isartherm-Flex 6050

Compression packings / Gaskets | Packings for valves



### Features

Isartherm-Flex 6050 is a diagonally braided packing made from permanently elastic, pure expanded graphite foils. This flexible and adaptable packing is especially suitable for applications with high pressure and high temperature services. As a standard packing Isartherm-Flex 6050 is suitable for almost every industrial sector, especially power plants and the chemical industry.

### Advantages

- High flexibility
- Great wear resistance
- Gentle to the shaft
- High temperature and pressure resistance

### Operating range

Pressure:  
 $p(\text{centrifugal pumps}) = 15 \text{ bar}$ ,  
 $p(\text{valves}) = 350 \text{ bar}$ ,  
 $p < 500 \text{ bar}$  on request

Sliding velocity:  
 $vg(\text{centrifugal pumps}) = 15 \text{ m/s}$ ,  
 $vg(\text{valves}) = 2 \text{ m/s}$

Temperature:  
 $t = -200 \text{ °C} \dots +500 \text{ °C}$ , steam:  $700 \text{ °C}$   
 Chemical resistance:  $\text{pH} = 0 \dots 14$

Suitable for water, waste-water, seawater, hot water, boiler feed water, condensate, steam, neutral steams, gases, air, nitrogen, acid gases, hydrogen, volatile hydrocarbons, oils,

### Notes

The maximum stated operating temperature and pressure cannot be used simultaneously. As anti-extrusion rings in cases of large gaps we recommend the use of our EagleBurgmann Isartherm-Flex KIN Art.-No. 6050/KIN. This packing can bridge larger gaps and resist extrusion due to its inconel-wire reinforcement.

### Article numbers of variants

6050/KIN (anti-extrusion ring for larger gaps)

### 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
- Centrifugal pumps

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mineral oils, grease, heat transfer oils  
and volatile solvents.

- Valves

### Dimensions

Stock dimensions: 4, 5, 6, 6.35, 7, 8, 10,  
12, 12.7, 14, 15, 16, 18, 19, 20, 25 mm

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All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means 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. This is subject to change.