

# Thermoflon SL 6230/SL



## Features

Thermoflon SL 6230/SL is a diagonally braided packing made from graphite-incorporated PTFE yarn with additional lubricant. This packing solution is suitable for many industrial sectors, like e.g. oil and gas industry, petrochemical industry or chemical industry.

## Advantages

- Gentle to the shaft
- Low friction with no "stick-slip" effect
- High flexibility
- Great volumetric stability
- Good functionality
- No ageing
- Long service-life
- Good thermal conductivity

## Operating range

Pressure:

p(centrifugal pumps) = 25 bar (363 PSI),  
p(valves) = 100 bar (1,450 PSI),  
p(plunger pumps) = 250 bar (3,625 PSI),  
p(mixers, agitators, kneaders, filters) = 25 bar (363 PSI)

Sliding velocity:

vg(centrifugal pumps) = 20 m/s (66 ft/s),  
vg(valves) = 2 m/s (7 ft/s),  
vg(plunger pumps) = 2 m/s (7 ft/s),  
vg(mixers, agitators, kneaders, filters) = 2 m/s (7 ft/s)

Temperature:

t = -200 °C ... +280 °C (-328 °F ... +536 °F)  
max. 140 °C (284 °F)

for hot water without cooling system

Chemical resistance: pH = 0 ... 14

Universal chemical resistance, for food applications as well as for paints, dyes and lacquers.

## Standards and approvals

- FDA US 21 CFR 170,3 (i)
- EPA regulation, article 3, 1935/2004

## Article numbers of variants

6230/SLK (braided in AK-profile)

## 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 meter, pre-cut lengths, die-pressed rings with straight or slanted cut.

## Recommended applications

- Process industry
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Pharmaceutical industry
- Power plant technology
- Pulp and paper industry
- Water and waste water technology
- Mining industry
- Building services industry
- Food and beverage industry
- Shipbuilding
- Sugar industry
- Metal production and processing
- Centrifugal pumps
- Agitators
- Mixers
- Kneaders

## Notes

Not suitable for hot steam or abrasive media. For hot water applications the essential leakage for lubrication always has to be liquid. A cooling system is necessary, if cooling is insufficient through media or casing. The packing can be stored safely in its original packaging for a minimum of 3 years in dry and cool conditions.

## Dimensions

Stock dimensions:

4, 5, 6, 6.35, 8, 9.5, 10, 12, 12.7, 14, 15, 16, 18,  
20, 22, 25 mm

(other dimensions on request)