



# GRAPHITE IN THE CORE OF PACKINGS

**Our research and Development department has developed a new range of innovating range of packings as regards structure and composition.**

The addition of expanded graphite into the core of our packings provide them remarkable suppleness and elastic recovery.

1

## MORE ELASTICITY

The elasticity provided by graphite means reduced running-in time, more time between retightening operations and optimum sealing efficiency under low clamping force.

2

## REDUCED FRICTIONS

With this innovation, frictions are reduced and you benefit from significant water and energy savings.

3

## CHEMICAL INERTNESS

The graphite contained in the core of our packings is resistant to most chemicals such as mineral agents, solvents, etc.

4

## AGEING RESISTANCE

Graphite is one of the most ageing resistant materials, which increases the time interval between two maintenance operations.

5

## RESISTANCE TO HIGH TEMPERATURES

Unlike elastomers, graphite is neither affected by shrinkage nor by structural changes at high temperatures.

6

## HANDLING AND PROCESSING EASE

The suppleness of graphite makes assembly and disassembly operations easier, thus reducing the maintenance time.

### TYPES OF INDUSTRIES

- Mining and quarrying
- Sugar
- Paper
- Cement
- Chemicals
- Petrochemicals
- Energy
- Pharmaceuticals

### EQUIPMENTS

- Rotary pumps
- Stirrers
- Mixers
- Crushers
- Agitators
- Pulpers
- Dissolvers
- Scrubbers
- Centrifuges



# PACKING RANGE WITH GRAPHITE CORE LATTYCORE



## LATTYCORE 4788 G

**Very high mechanical performance.**

Packing with graphite core, made of 100%-aramid fibres, each single yarn being impregnated with PTFE using our exclusive «Filcoat»-process, then re-impregnated with a PTFE mix during braiding operation.

- Pressure: < 200 bars
- Temperature: -200°C to +300°C
- Speed: 25 m/s
- pH: 2-13



## LATTYCORE 3207 G

**Chemical inertness.**

Packing with graphite core, made of 100% PTFE silk yarns, pre-treated with graphite impregnation to the core and with a silicon lubricant. Packing suitable for aggressive environments in dynamic sealing applications.

- Pressure: 80 bars
- Temperature: -200°C to +250°C
- Speed: 20 m/s
- pH: 0-14



## LATTYCORE 5790 G

**High mechanical resistance.**

Packing with graphite core, made of synthetic yarns and fibres based on aramid and silicone-free lubricant, the yarns being impregnated to the core using our exclusive «Filcoat»-process prior to braiding operation.

- Pressure: 100 bars
- Temperature: -200°C to 260°C
- Speed: < 5 m/s
- pH: 2-13



## LATTYCORE 4758 G

**Very good resistance with abrasive fluids.**

Compound packing with graphite core made of 100% aramid yarns impregnated with PTFE using our exclusive «Filcoat»-process, friction faces made 100% PTFE with silicone-free lubricant, then re-impregnated with a PTFE mix during braiding operation.

- Pressure: < 1000 bars
- Temperature: -200°C to +300°C
- Speed: < 10 m/s
- pH: 2-14



## LATTYCORE 7189 G

**Very good resistance with abrasive fluids.**

Packing with graphite core, made of composite phenolic yarns on the edges and polyacrylic yarns on friction faces.

- Pressure: 200 bars
- Temperature: -200°C to +260°C
- Speed: < 20 m/s
- pH: 1-13



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