

LATTY[®]flon 1779

high-quality ramie yarns with a PTFE mix and an inert lubricant

CLEAN FLUIDS OR SLURRIES,
except corrosive ones

Parameters (non associated)

Temperature	- 40°C to + 120°C
Pressure	40 MPa
Speed	15 m/s
pH	4 - 11



LATTY[®]flon 1779

fields of application

There is a need for sealing against high speeds, dangerous and aggressive fluids and high temperatures; but there are also numerous even though less spectacular applications which are just as important from the standpoint of the economics of servicing and maintenance.

LATTYflon 1779 is designed for these widespread, less onerous, applications.

To provide leaktightness against commonly used, chemically non-aggressive fluids, whether clean or polluted, mostly at ambient or at temperatures up to 60 to 80°C, for example:

water, seawater, oils, hydrocarbons, solvents, paper pulp, emulsified water, etc.

On rotary and reciprocating pumps, hydraulic presses, marine sterntube seals, etc.

description

LATTYflon 1779 is made from a very high grade ramie yarn which is fine, silky, strong and rot-proof. Before plaiting, each yarn is impregnated under pressure with our exclusive "Filcoat" process, with a mixture of PTFE and inert lubricant. It is impregnated a second time during plaiting.

LATTYflon 1779

- Can be used to advantage in place of cotton, flax and hemp-based packings and other synthetic yarns packing at temperatures below 100°C.
- Offer an excellent quality of service/price ratio for this type of seal.
- Provides the maintenance engineer with a useful economic balance between service and initial cost.

power absorbed in the gland

LATTYflon 1779 sets up minimum stress in the gland. This is due to the method of plaiting and to the treatment of the yarn.

Practical value:
start-up without special precautions, leakage easier to control, no over-heating.

some properties in use

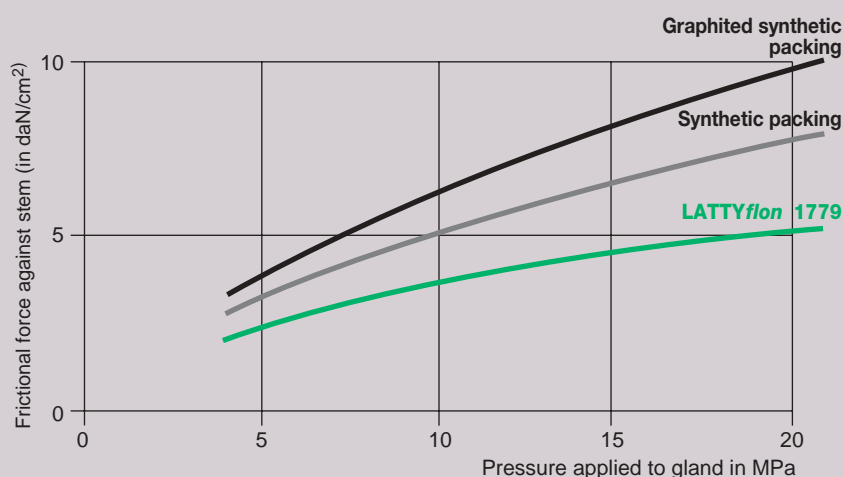
LATTYflon 1779 is a non-asbestos plaited packing, which is clean to handle and both flexible and compact.

It is easy to fit and meets heavy duty service needs (pressure up to 40 MPa) without transmitting any severe stress to shafts or pistons (see graph below).

The generous, lubricating impregnation, right through the yarn is not washed out by the fluid, so that LATTYflon 1779 retains all its resilience, low friction and non-abrasive properties (leaktightness, protection of shafts) throughout its long service life.

principal characteristics

Working temperature	- 40°C to + 120°C
Fluid pressure	up to 40 MPa
Speed	15 m/s
Chemical resistance	pH 4-11
P.V factor	500
Compressibility at 10 MPa	30%
Elastic recovery at 10 MPa	40%
Friction coefficient	0.1



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LATTY[®] international s.a.

Your source for all sealing solutions

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LATTY[®] *tex* 4777

for general use
Pumps - mixers

Packing for general maintenance use,
Easy fitting, rapid running-in,
Food-quality lubricant
Reduced maintenance cost !

Applications

- Abrasive fluids
- Small- and medium-size units
- Paper industry
- Cement works
- Food-processing industry

Operating parameters (non associated)

Temperature	- 50 °C + 200 °C
Pressure	60 bar
Speed	15 m/s
pH	3 - 11

Technical characteristics

Density	1.1 to 1.2
Thermal conductivity	0.5 W/m·K
Friction coefficient	0.05 / 0.1
Radial transmission coefficient	0.6
Thermal expansion	$30 \times 10^{-6} / ^\circ\text{C}$

LATTY[®]tex 4777

Constitution

- This packing is made from blended yarns, aramid-synthetic yarns and glass-polyacrylic yarns.
- The yarns are individually impregnated to the very core with polytetrafluoroethylene (PTFE).
- They are then impregnated with a mix of silicone-free paraffinic lubricants and solid lubricating agents.
- The basic aramid yarns are placed on the edges to improve mechanical resistance.

Problem to be solved

- Offer a quality packing, which allows reducing the general maintenance cost.
- Achieve a shorter running-in period, due to the quality of the lubricants stored in the packing.
- Reduce retightenings while still providing satisfactory mechanical behaviour and dimensional stability.

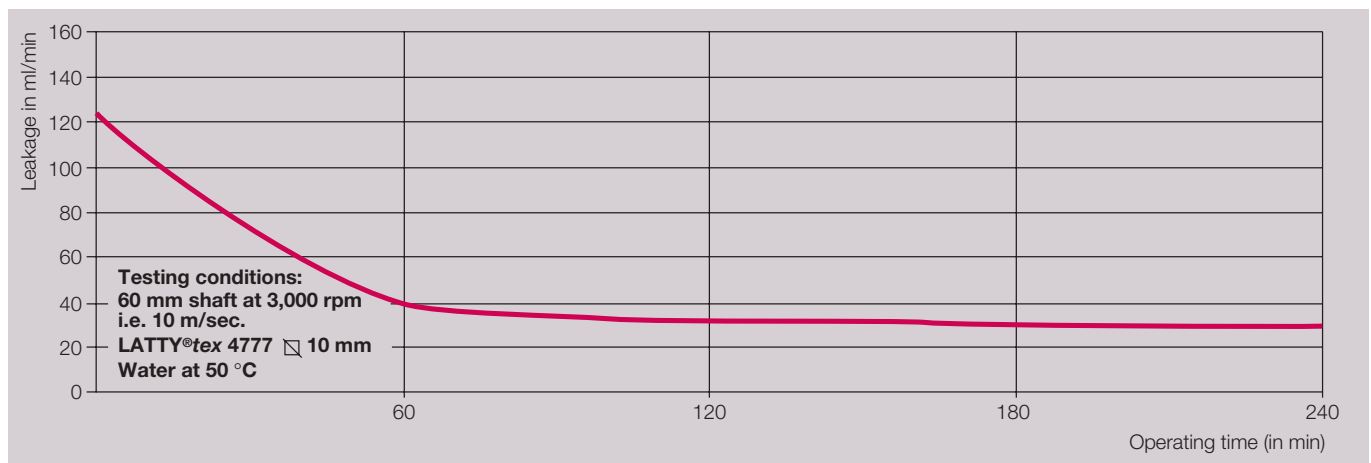
Applications

- This packing for rotary machines is especially suitable for applications in the paper industry.
- Sugar factories, food-processing industry, marine, cement works.

Advantages

- Flexibility
- Compactness
- Optimum lubrication
- Easy fitting
- Rapid running-in
- Good resistance to abrasive fluids
- Silicone-free packing

Leakage rate



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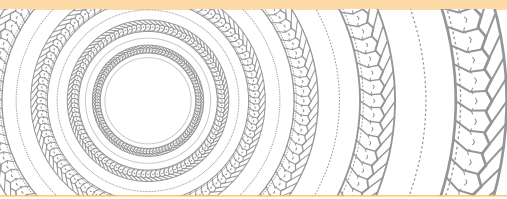


BRAIDED PACKINGS & RINGS

LATTYtex 2761



**GRAPHITED SYNTHETIC PACKING
FOR ROTARY UNITS AS WELL AS VALVES
AND FITTINGS**



LATTYtex 2761

BRAIDED PACKINGS & RINGS

Graphited synthetic packing for rotary units as well as valves and fittings

Characteristics

- ▶ Packing made of special polyacrylic yarns. Each single yarn is impregnated with PTFE using our exclusive «Filcoat»-process. They are then re-impregnated in a bath consisting with a mix of graphite and special lubricants during braiding operation.
- ▶ Its mechanical properties make it an outstanding packing for rotary units. Its composition provides high resistance to moderately aggressive fluids.

Advantages

- ▶ Easy running-in
- ▶ Little wear to sleeve
- ▶ Good resistance to moderately aggressive fluids
- ▶ Provides suppleness and resistance
- ▶ Cutting and fitting made easier

Equipments

- ▶ Rotary units
- ▶ Low-pressure valves

Industries

- ▶ Food processing
- ▶ Petrochemicals
- ▶ Pharmaceuticals
- ▶ Sugar
- ▶ Paper
- ▶ Power stations

Parameters (not associated)

- ▶ Temperature: -50°C to +260°C
- ▶ Pressure: 0 to 100 bar
- ▶ Speed: < 15 m/s
- ▶ pH: 1 to 13

Dimensions

- ▶ Available in square sections from 4 to 25.4 mm*
- ▶ On request, available as preformed rings.

**Other dimensions on request*



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