

# LATTY<sup>®</sup>gold 5 ACID

## The chemical industry flange gasket

### Applications

Highly aggressive media  
such as mineral acids and bases.

Synthetic fibres and resins.

Operating parameters

Associated	- 196/150 °C	16 bar
Non associated	200 °C	60 bar

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## composition

Asbestos-free gasket material made of synthetic fibres coated with resins and elastomers resisting to highly aggressive media such as acids and concentrated bases.

### Standard thickness supplied:

1 mm, 1.5 mm, 2 mm, 3 mm.

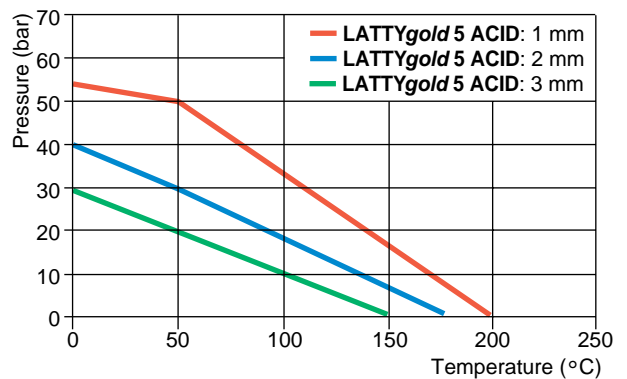
AFNOR standard tolerance:  $\pm 10\%$  of the nominal thickness.

### Standard dimensions:

1 m x 1.50 m or 1.50 m x 2 m.

Gaskets cut to order.

Field of application according to gasket thickness\*  
(except with steam and superheated water).



\*Valid under a tightening pressure ranging from 30 to 60 MPa (30 to 60 N/mm<sup>2</sup>).

- ◆ For cold sealing tests (around 30°C), the maximum permissible pressure is 100 bar.
- ◆ Consult LATTY for gaskets with  $\varnothing > 300$  mm and for gaskets for lapped flanges.

## technical characteristics

Laboratory examination of test pieces  
2 mm thick.

Kind of test	Standards applied	Measured values
Relative density	NF T 48-102	1.75*
Minimum tensile strength (th. 2 mm)		
• perpendicular direction of fibres	NF T 48-103	10 N/mm <sup>2</sup>
Stress relaxation 175 °C		
Initial load 50 N/mm <sup>2</sup>		
(residual load – “Mohr” test)	DIN 52913	32 N/mm <sup>2</sup>
Compressibility		
(as % of the initial thickness)	ASTM F 36	6 – 12%
Elastic recovery		
(as % of compression)	ASTM F 36	$\geq 50\%$
Elastic limit		
• at 20°C		150 N/mm <sup>2</sup>
• at 200°C		50 N/mm <sup>2</sup>
Gas tightness	DIN 3535-6	<1 cm <sup>3</sup> /min.
Immersion in fluids	BS 1832 – BS 7531 NF T 48-001 and NF T 48-105 DIN 3754-1	

	$\Delta m$ (in %)	$\Delta e$ (in %)
• H <sub>2</sub> SO <sub>4</sub> 65% after 48 h at 23°C	$\leq 10$	$\leq 10$
• HNO <sub>3</sub> 50% after 48 h at 23°C	$\leq 15$	$\leq 15$
• Na OH 40% after 48 h at 23°C	$\leq 5$	$\leq 5$

\* As function of thickness (1,75  $\pm$  0,15)

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**LATTY<sup>®</sup> international s.a.**

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