

# Corrugated Gasket



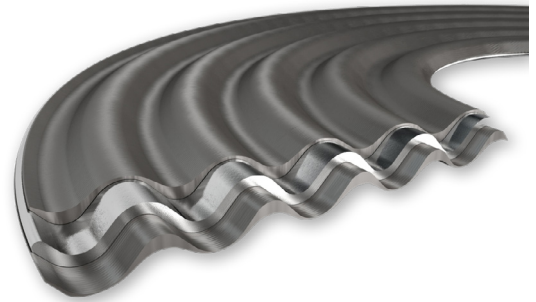
## Description:

Gasket obtained from a corrugated plate covered with layers on both sides, the covering layer could be manufactured in pure expanded graphite or Expanded PTFE [Expaflon] (layer thk. 1 mm).

The corrugation provides high compression to the coating material between tips and therefore an excellent seal even at low tightening, high resistance to blowout.

Corrugation also improved stability, handling properties and high adaptability and resilience.

Metallic core could be manufactured with the most different material (Soft Iron, Aisi 304, Aisi 316, etc.). Gasket suitable to use in Heat exchangers as a valid alternative to Metal jacketed or Spiralwound gasket.



## WORKING CONDITIONS<sup>(1)</sup>:

Working Pressure:		Bar	160
Min. Working Temperature		°C	-200
Max. Working Temperature		°C	550

(1) Is not advised the use in the maximum temperature and at the same time with the maximum pressure.  
For temperatures above 450 ° C, Refer to manufacturer

## CONSTANT TIGHTENING:

### GRAPHITE:

$\sigma_{VU\ 0.1}$		MPa	12
$\sigma_{VU\ 0.01}$			22
$\sigma_{VO}$			200
$\sigma_{BO}$	a 300 °C		200
Y		MPa	17
m			2,0

### EXPAFLON:

$\sigma_{VU\ 0.1}$		MPa	30
$\sigma_{VO}$			170
Y		MPa	19
m			2,0

## CHEMICAL COMPOSITION:

Carbon Content	ASTM C571	%	≥99
Ashes Content	ASTM C571	%	≤1
Chloride Content	ASTM F1277	p.p.m.	<40
Fluoride Content	ASTM F1277	p.p.m.	≤40
Sulphide Content	ASTM C816	p.p.m.	≤800

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