



Gasket Sheet

Gambit AF-300 B



General properties and application

General purpose gasket sheets, versatile, oil resistant sheet designed for applications with the majority of media under medium temperatures and pressures.

Material Description	<p>Gasket sheet GAMBIT AF - 300 B is based on Kevlar® aramide fibres, mineral fibres, and fillers bound with NBR rubber-based binder. BS 7531 Grade Y</p> <p>Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.</p>	
Designation according to DIN 28091-2	FA-AM1-O	
Maximum working conditions:		
Peak temperature	°C	320
Temperature under continuous operation	°C	280
Temperature under continuous operation with steam	°C	220
Pressure	MPa	10

All information in this catalogue is based on years of experience in manufacture and use of the discussed products. Since sealing performance in the joint is subject to multiple factors such as mounting method, system parameters, and sealed medium, technical parameters specified herein are of informative nature only and cannot be used as grounds for any claims any special uses of products are subject to consulting with the manufacturer.

Dimensions:

Standard thicknesses of sheets /thicknesses above 5.0 mm are produced by gluing/	mm	0,3; 0,5; 0,8; 1,0; 1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0	+/- 0,1 +/- 10% +/- 10%
Standard dimensions of sheets /custom dimensions available within the total range of 1500x3000 mm/	mm	1500x1500	+/- 10,0

Physical and Chemical Properties:

Density +/- 5 %	g/cm ³	2,0	DIN 28090-2
Transverse tensile strength min.	MPa	8	DIN 52910
Compressibility,	%	6-14	ASTM F36
Elastic recovery - min.63280	%	50	ASTM F36
Residual stresses50MPa/16h/300°C/ (min.)	MPa	22	DIN 52913
Residual stresses50MPa/16h/175°C/ (min.)	MPa	28	DIN 52913

Increase in thickness:

Model Oil no 3 150°C/5h (max)	%	5	ASTM F146
Model fuel B 20°C/5h (max)	%	7	ASTM F146
Distilled water 100 °C/4 h max.	%	2	ASTM F146
Colour	Yellow or according to requirements		

The values in the table refer to the gasket sheets with a thickness of 2.0 mm.

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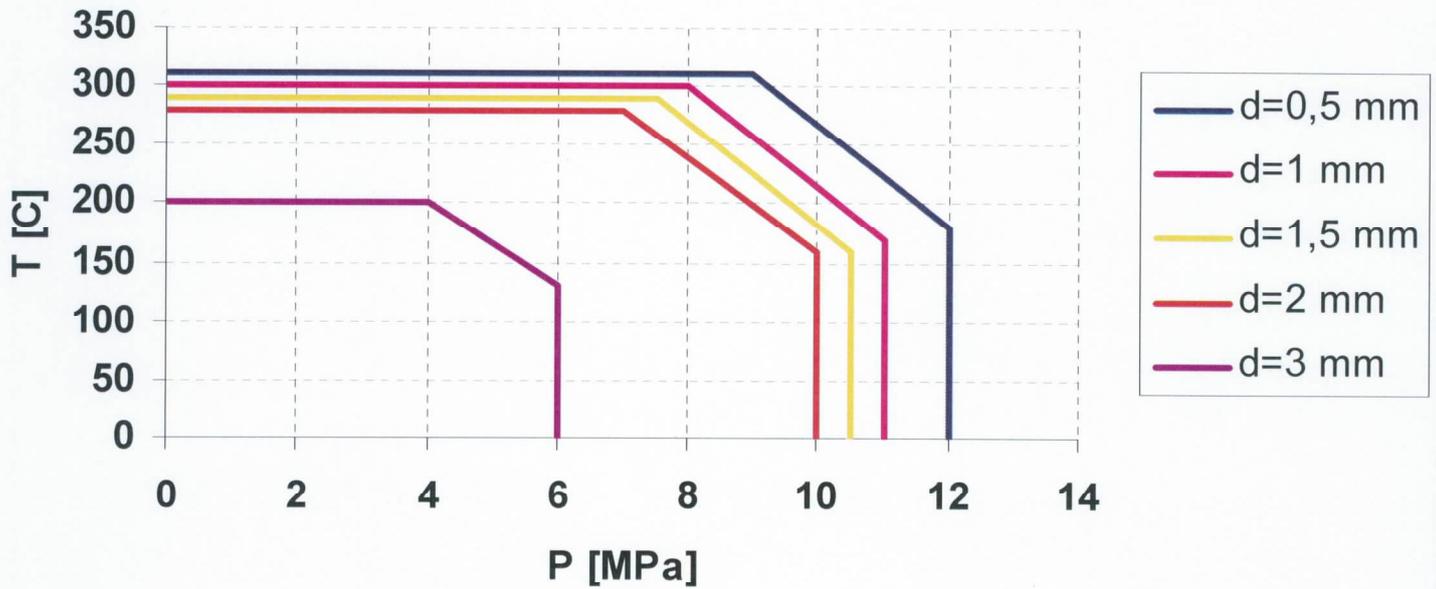
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Lubawka, 25.03.2009

GAMBIT AF-300 B



KIEROWNIK DZIAŁU TECHNOLOGII
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VAT Code: PL6141524783
Court Registration no 0000123090
Equity Capital: 6,100,000 PLN
President of Gambit Lubawka Ltd.: Józef Plotrowski

ISO 9001
ISO 14001
ISO 16949
OHSAS 18001

Registration Court in Wrocław

	TECHNICAL DATA SHEET	WT-255/F/2014
	GASKET SHEETS GAMBIT AF- 300 B	Valid from: 04.09.2014r

1. INTRODUCTION

1.1. The subject.

The subject of the technical data sheet WT-255/F/2014 is the gasket sheet **GAMBIT AF – 300 B** type, manufactured in a calendaring process.

1.2. Range of application.

The gasket sheet **GAMBIT AF – 300 B** is suitable for production of flat static gaskets working at temperatures, pressures, and with environmental conditions stated in the table below, by proper assembly loads.

1.3. An example of indication.

Gasket sheets **GAMBIT AF – 300 B** type.

2. REQUIREMENTS

2.1. Material.

The gasket sheet **GAMBIT AF – 300 B** type is made on the base of aramide and mineral fibers and fillers bounded with binders based on caoutchouc.

2.2. Appearance.

The surface of the gasketing material should be smooth - without dents, cracks, breakages, blisters, or scratches damaging its structure. Irregularities of edges after cutting are allowable up to 2.0mm.

2.3. Dimensions and allowable deviations according to the table.

2.4. Physical and Chemical Properties according to the Table below.

2.5. Tests to the Table below.

- full: should be executed twice a year, or upon technological changes that can have influence on the characteristics of the gasket material,

-partial: /marked with an asterisk (*)/ should be done for each lot of gaskets /batches should not exceed 1000 kg/.

Batches evaluated as incompatible with the requirements should undergo a selection process and be tested again.

2.6. Marking.

On each gasket sheet should be placed the following, indelible features:

a/ name, or logo of the manufacturer,

b/ gasket sheet's name,

c/ symbol indicating gasket sheet's type,

d/ serial number of the sheet, date of production /year, month/, batch no., thickness.

3. PACKING, STORAGE, TRANSPORT

3.1. Packing, Storage and Transport according to PN-88 / M-11022 point 4; 5.

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REGON 231129640 NIP 614-15-24-783

Type: 2251					
GASKET SHEET GAMBIT AF-300 B TYPE					
Maximum operating conditions	Peak temperature:		°C	320	
	Temperature under continuous operation:		°C	280	
	Temperature under continuous operation with steam:		°C	220	
	Minimum temperature:		°C	- 30	
	Pressure:		MPa	10	
Media: water, steam water, oils, solutions of salts, solutions of weak acids, natural gas, technical propane-butane, fuels (aromatic hydrocarbon's content below 2%)					
Methods and types of tests:					
Physical and Chemical Properties	* Density		g/cm ³	2,0 ±5 %	DIN 28090- 2
	*Transverse tensile strength	<i>min.</i>	MPa	8	DIN 52910
	Compressibility		%	6 – 14	ASTM F36
	Elastic recovery	<i>min.</i>	%	50	ASTM F36
	Thickness increase:				
	- in destilated water (100°C/4h)	<i>max</i>		2,0	ASTM F146
- in model oil no. 3 (150°C / 5 h)	<i>max</i>	%	5,0		
- in model fuel B (20°C / 5 h)	<i>max</i>		7,0		
Colour		Yellow or according to requirements			
Standard thicknesses				0,3; 0,5; 0,8;	± 0,1
		mm		1,0;1,5; 2,0; 2,5;	± 10%
/thicknesses above 5.0mm are produced by gluing/				3,0; 4,0; 5,0; 6,0	± 10%
Standard sizes of sheets					
/custom dimension available within the total range of 1500x3000 mm/		mm		1500x1500	± 10,0

All the values in the table concern gasket sheets in thickness 2.0mm.

Created by:

Approved by:

Confirmed by:

SPECJALISTA
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Pawel Myjak

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