



PTFE JOINTING SHEET PLANIFLON™ B15

Composition

- Modified PTFE resin
- Barium sulphate filler

Characteristics

Planiflon™ B15 is a superior performance biaxially orientated PTFE gasketing sheet material with barium sulphate filler. Planiflon™ B15 conforms with FDA regulations and it has a very low gas permeability, improved creep properties when compared with conventional PTFE gasketing sheets. Is a general purpose grade for sealing applications across the whole pH range. It is suitable for use with hydrofluoric acid, but not pure liquid hydrogen fluoride. It can be also used with alkalis, solvents, fuels, water, steam and chlorine.

Applications

Planiflon™ B15 is produced in compliance with FDA regulations for use in contact with food and pharmaceuticals, suitable for applications with acids and common chemicals.

Planiflon™ B15 is suitable for industrial applications for sealing the flanges and has the following certificates:

- TA LUFT
- DVGW
- FDA

Tech Data

Planiflon™ B15			
Colour			Off White
Filler			Barium sulphate
Density		g/cm ³	2.8
Temperature		°C	-200/+260
Max operating pressure		bar	80
P x T max		bar x °C	-
thickness 0,5 to 2,0			12000
thickness 3,0			8500
Compression range	DIN 3535-6	%	>4.3
Creep	DIN 3535-6	%	<28
Recovery	DIN 3535-6	%	>2.1
Leakage	DIN 3535-6	mg*s-1*m-1	<0.005
PH Range			0 ÷ 14

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- The peak temperature can be sustained for short exposures
- Other gasketing sheet dimensions and thicknesses are available on request
- The dimensional tolerances of the gasketing sheets are: W and L ± 3,0%, H ± 10,0%

Size	1.500 x 1.500 - (1000 x 1000 sp. 0.75 mm)	60" x 60" - (40" x 40" tk. 1/32")
Thickness	0,75 ÷ 6,0 mm	1/32" ÷ 1/4"



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The bidirectional structured PTFE gasketing sheets Planiflon™ are made with special resins and inorganic fillers. The special processing technique minimizes the material's cold flow, giving to the sheets the characteristic attribute of bidirectionality. The product range of the Planiflon™ includes the following products:

- **B13** - Modified PTFE with silica filler
- **B14** - Modified PTFE with hollow glass microspheres filler
- **B15** - Modified PTFE with barium sulphate filler
- **B58** - Microcellular Modified PTFE layers with pure modified PTFE core
- **B60** - Microcellular Modified PTFE with Inorganic fillers
- **E12** - Bi-directional expanded PTFE



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.



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