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 is 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/cm³	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 at its maximum rated temperature and pressure simultaneously. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- 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 provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.

GLOBAL SEALING SOLUTIONS

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