



PTFE JOINTING SHEET PLANIFLON™ B14

Composition

- Resin of modified PTFE
- Hollow Glass microspheres as filler

Characteristics

Planiflon™ B14 is a superior performance biaxially orientated PTFE sheet sealing material with glass spheres filler, very highly conformable properties, ideally suited to both standard and irregular flanges. Planiflon™ B14 has a very low gas permeability, improved creep properties when compared with conventional PTFE gasketing, excellent for handling and cutting. Is specifically designed for use in low bolt loaded irregular flanges. Typical flanges include glass lined, ceramic plastic coated or uneven/badly distorted flanges. It is suitable for sealing all chemicals across the whole pH range, except molten alkali metals, fluorine or hydrogen fluoride.

Applications

Planiflon™ B14 is suitable for applications in a wide range of chemically aggressive fluids. Due to its high compressibility, it is especially recommended for use on flanges and delicate equipment. Planiflon™ B14 is suitable for industrial applications for sealing the flanges and has the following: certificates:

- TA LUFT
- DVGW

Tech Data

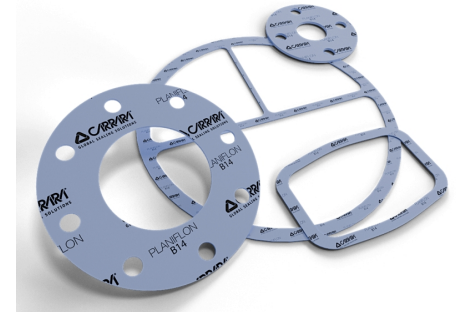
Planiflon™ B14			
Colour			Blue
Filler			Hollow glass microspheres
Density		g/cm ³	1.4
Temperature		°C	-200/+260
Max operating pressure		bar	50
P x T max		bar x °C	-
thickness 0,5 to 2,0			12000
thickness 3,0			8500
Compression	DIN 3535-6	%	>32
Creep	DIN 3535-6	%	<19
Recovery	DIN 3535-6	%	>7
Leakage	DIN 3535-6	mg*s-1*m-1	<0.05
PH Range			0 ÷ 14
Tolerances L and W		mm	+/- 50
Tolerances Thickness		%	+/-10

- 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 ± 5,0%, 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 ÷ 6,00 mm	1/32" ÷ 1/4"



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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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

CARRARA
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