PTFE JOINTING SHEET PLANIFLON™ B13

Composition

- Modified PTFE resin
- Silica filler

Characteristics

The Planiflon™ range has been developed to operate from cryogenic temperatures up to 260°C and can be used with all the most aggressive fluids (ph 0-14). Planiflon™ B13 is a gasketing sheet that exhibits excellent chemical resistance, with moderate gas permeability. The creep properties are markedly better when compared to conventional PTFE. It can be used with strong acids (except hydrofluoric acid) and is suitable for applications with fuels, solvents, water, steam and chlorine.

Applications

Planiflon™ B13 is suitable for industrial applications for sealing the flanges and has the following certificates:

- TA LUFT
- DVGW
- BAM
- FDA

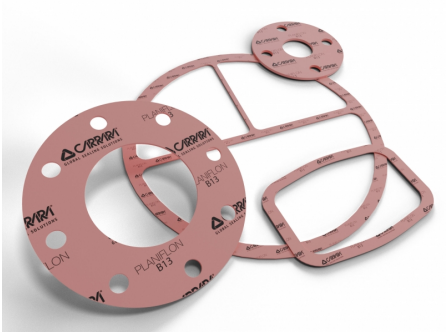
Tech Data

Planiflon™ B13

Colour			Fawn
Filler			Silica
Density		g/cm³	2.2
Temperature		°C	-200/+260
Max operating pressure		bar	83
Min. Gasket 3mm Seating Stress - Sgmin-$S_{L0,001}$		MPa	25
Min. Gasket 3mm Operating Stress - Sgmin-O		MPa	13
Max Gasket 3mm Operating Stress - Sgmax		MPa	70
Compression range	DIN 3535-6	%	>4
Creep	DIN 3535-6	%	<24
Recovery	DIN 3535-6	%	>1.7
Leakage	DIN 3535-6	mg*s-1*m-1	<0.05
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 ÷ 6,00 mm	1/32" ÷ 1/4"



PTFE Jointing Sheet Planiflon™ B13

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.

CARRARA® GLOBAL SEALING SOLUTIONS

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