



PTFE JOINTING SHEET PLANIFLON™ B01

Composition

- Virgin PTFE

Characteristics

Planiflon™ B01, the virgin sintered PTFE gasketing sheets, is suitable for all applications where a PTFE gasket without mineral fillers is required. Virgin PTFE gasket sheets, rod and tubes have high chemical resistance (except alkali and hydrofluoric acid).

Applications

Planiflon™ B01 is suitable for industrial applications, it is available in sheets, bars and tubes to obtain PTFE materials for general and specific uses. It has the following certifications on demand:

- FDA

Tech Data

Planiflon™ B01

Colour			White
Filler			absent
Density		g/cm³	2.1
Temperature		°C	-200/+260
Max operating pressure		bar	50
P x T max		bar x °C	-
thickness 0,5 to 2,0 mm			5000
thickness 3,0 mm			3500
Compression range	DIN 3535-6	%	14-17
Recovery	DIN 3535-6	%	>20
Creep Relaxation		%	40%
Tensile Strength		MPa	20
Leakage	DIN 3535-6	mg*s-1*m-1	<0.05
PH Range			0 ÷ 14
Tolerances L and W		mm	+/-.50
Tolerances Thichness		%	+/-.10

- Never use the product at its maximum rated temperature and pressure. 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 $\pm 3.0\%$, H $\pm 10.0\%$.

Size	1.500 x 1.500 - 1200 X 1200 - 600 x 600	60" x 60" - 48" x 48" - 24" x 24"
Thickness	0,75 ÷ 6,00	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
- **B01** - Virgin PTFE
- **B02** - Glass filled PTFE
- **B03** - Graphite filled PTFE
- **B05** - Carbographite filled 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 accurately represent the product's color and/or marking.



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