



PTFE JOINTING SHEET PLANIFLON™ B02

Composition

- PTFE
- Glass fillers

Characteristics

Planiflon™ B02 glass filled PTFE gasketing sheets are suitable for all applications where a PTFE gasket with better mechanical performance is required. Glass filled PTFE gasket sheets, rod and tubes exhibit high chemical resistance except for fluids for which glass is incompatible.

Applications

Planiflon™ B02 is suitable for industrial applications, it is available in sheets, bars and tubes to obtain PTFE materials for general and specific uses.

Tech Data

Planiflon™ B02			
Colour			White
Filler			Glass
Gravity	ASTM D792	g/cm3	2.19 - 2.22
Coefficient of linear thermal expansion	ASTM D696	10-5 (mm/mm)/°C	11 - 13
Hardness Shore D	ASTM D2240	Punti	≥ 60
Tensile strength	ISO 527 v=50mm/min	N/mm2	≥ 17
Elongation at break	ISO 527 v=50mm/min	%	≥ 250
Compressive strength at 1% strain	ASTM D695	N/mm2	6-7
Deformation under load (24 h 13.7 N/mm2 23°C)	ASTM D621	%	≤ 14
Permanent deformation	ASTM D621	%	≤ 7
Coefficient of dynamic friction	ASTM D1894	-	0.12
Wear factor at PV 100	ASTM D3702	-	10 - 20

- 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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