



PTFE JOINTING SHEET PLANIFLON™ B05

Composition

- PTFE
- Carbographe filler

Characteristics

Planiflon™ B05 PTFE gasketing sheets are suitable for all applications where a PTFE gasket with better mechanical performance is required. B05 PTFE gasket sheets, rod and tubes exhibit high chemical resistance except for fluids for which the filler is incompatible.

Applications

Planiflon™ B05 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™ B05			
Colour			Black
Filler			Carbographe
Gravity	ASTM D792	g/cm3	1.90 - 2.15
Coefficient of linear thermal expansion	ASTM D696	10-5 (mm/mm)/°C	6.5 - 10
Hardness Shore D	ASTM D2240	Punti	≥ 65
Tensile strength	ISO 527 v=50mm/min	N/mm2	≥ 8
Elongation at break	ISO 527 v=50mm/min	%	≥ 40
Compressive strength at 1% strain	ASTM D695	N/mm2	12 - 13.5
Deformation under load (24 h 13.7 N/mm2 23°C)	ASTM D621	%	≤ 6
Permanent deformation	ASTM D621	%	≤ 1.5
Coefficient of dynamic friction	ASTM D1894	-	0.12
Wear factor at PV 100	ASTM D3702	-	20 - 30

- 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 ± 3,0%, H ± 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** - Carbographe filled PTFE



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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