

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 $^{\text{TM}}$ 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 Strenght | | 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 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" |

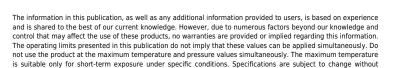


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The bidirectional structured PTFE gasketing sheets Planiflon™ are made with special resins and inorganic fillers. The special processing technique minimizes the material's cold flow, giving to the sheets the characteristic attribute of bidirectionality. 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 Carbographite filled PTFE





prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.

